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# Spring 1950 Catalog

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U. S. Department of Agriculture

## GOLD MEDAL WINNER

ACHIEVEMENT  
IN  
HORTICULTURE**Petunia, Fire Chief***All-America Sweepstakes Winner***1950****CHAAPPEL'S SEED STORE**

39 East Third Street, Williamsport 6, Pa.





*For FINER Lawns SOW*  
**CHAAPEL'S Higher Quality LAWN GRASSES**

**A MIXTURE FOR EVERY SOIL AND SHADE CONDITION**

**FANCY RECLEANED LAWN AND GRASS SEEDS**

**CHAAPEL'S CLOVER LAWN GRASS SEED—Recleaned and Tested Seed**

(Weighing 30 lbs. to the Bushel)

Our mixture absolutely can be relied on as being made up of the finest quality of grass seed obtainable, free from weeds seed, chaff or fallow and of the very best and highest germinating qualities. It is a special mixture of grasses that do best in our soils. The increasing demand for a lawn seed having larger proportion of White Clover induced us to offer this

mixture which contains a most liberal quantity of best recleaned White Clover. While primarily made up for normal locations, it contains certain grasses that will thrive on partially shady places. Sow 1 quart to 200 square feet (10x20 ft.). Pt. 50c., qt. 90c., 2 qts. \$1.75, 4 qts. \$3.25, pk. (7½ lbs.) \$6.00, bus. (30 lbs.) \$20.00. Postage extra.

**CHAAPEL'S EMERALD GREEN LAWN SEED**

The Fancy Grasses that enter into our better Lawn Seed Mixture remain extremely expensive. To meet the demand for a good lawn seed mixture we offer our Emerald Green

Lawn Mixture composed of Perennial Rye Grasses and Fescues. This mixture will give you a quick hard wearing lawn. Lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.00, 100 lbs. \$39.00.

**CHAAPEL'S SHADYGREEN LAWN SEED**

While it is impossible to maintain a permanent lawn in certain shady locations, such as under soft maple trees, we have combined in this mixture certain grasses that are more resistant to these harsh conditions.

We recommend this mixture to be especially prepared for shady locations. Sow 1 quart to 100 square feet (10x10 ft.). Qt. \$1.00, 2 qts. \$1.95, 4 qts. \$3.75, pk. (7½ lbs.) \$7.00, bus. 30 lbs. \$25.00.

**Chewing's New Zealand Fescue** (*Festuca rubra Fallax*). A splendid grass of creeping habit, which forms a good sward where no other grass would succeed. One of the best for shady lawns. Lb. \$1.00, 10 lbs. \$10.00.

**Domestic Rye Grass** (*Lolium Species*). A natural mixture of English and Italian Rye Grass. Lb. 25c., 100 lbs. \$17.00.

**Fescue, Meadow** (English Blue Grass). Easy to grow; resembles Kentucky Blue Grass; good for lawn and meadow. Lb. 50c., 10-lb. lots \$4.50.

**Kentucky Blue Grass** (*Poa pratensis*). One of the most widely used of all grasses for lawns, pastures and fairways. Does best on fertile soils. Extra fine quality. Lb. \$1.00, 10 lbs. \$9.00, 100 lbs. \$75.00.

**English Rye Grass** (*Lolium perenne*). A very rapid growing variety for pastures and lawns. Lb. 40c., 10 lbs. \$3.50.

**Seaside Bent** (*Agrostis maritima*). True Coos County strain. Our seed is delivered sealed and certified as to origin and purity of strain by the Department of Agriculture of the State of Oregon. Lb. \$1.50, 10 lbs. \$14.00.

**Red Top Grass Seed, Hulled.** Fancy seed thrashed out of hull. Sow 10 to 15 lbs. to an acre. Lb. \$1.00, 10-lb. lots \$9.50.

**Rough Stalked Meadow** (*Poa trivialis*). A fine leaved grass of sod forming habit. An important variety for shady situations. Requires a moderate amount of moisture. Lb. \$1.50, 10 lbs. \$14.00.

**White Dutch Clover.** This is the best Clover for lawns, as it forms a close herbage and remains green throughout the season. It is also a very valuable mixture with grass seed for pasture. ¼ lb. 45c., ½ lb. 85c., 1 lb. \$1.50, 10 lbs. \$14.00.



# Annual Spring Catalog For 1950

IT IS our desire to conduct an agricultural store where the needs of the Farmer, Market Gardener, Home Gardener, Home Maker and specialty Farmers and Growers can purchase the better grades of agriculture merchandise at a reasonable price.

That we have been moderately successful in our endeavor is borne out by the fact that CHAAPEL'S SEED STORE has been under one family ownership and management continuously for 73 years.

We want you to know that we sincerely appreciate your confidence and patronage, and look forward hopefully that this confidence will continue.

Space in this, our annual seed catalog, does not permit us to list all the items and service which we dispense through our store.

Besides the items carried in this catalog, we carry and supply a full line of John Deere Farm Implements and Tractors, Papec Ensilage Cutters, Hammer Mills and Ensilage Harvesters, The LeRoy Potato Diggers and Planters, Gehl Ensilage Cutters and Hammer Mills, Disk Harrows, Cultipackers, Wheelbarrow and Power Sprayers and Dusters, Power Cultivators, Hand and Power Lawn Mowers, Barn Equipment, Dairy Supplies, Poultry Feed and Supplies, Pets, Pet Foods, Supplies and Remedies.

We carry a large supply of repairs for most makes of farm machine replacement parts such as Mower and Binder Sections, Knife Bars, Pitmans, Canvas, Malleable and Steel Chains, Mower, Binder and Combine Guards, Heads, Shoes, Soles, Clips and Guides, John Deere Tractor Plow, Binder, Mower and other machine repairs and parts.

We have a fully equipped repair shop with factory trained mechanics for the repair and servicing of John Deere Tractors and other power farm equipment. We carry a large stock of tractor repair parts.



The Home of Chaapel's Seed Store  
39 East Third Street

See page 33 for Clinton Oats

See page 32 for Hybrid Corn

## GENERAL INFORMATION AND SUGGESTIONS

### ORDER IN ADVANCE

We cannot urge too strongly the necessity of anticipating your requirements as far in advance as possible. The cooperation of our customers in this respect will be appreciated.

### PRICE CHANGES

All prices printed in this catalogue are subject to change without notice. Should the price of any commodity be reduced, the difference in price will be refunded, or in case of advance, the customer will be notified before shipping.

### TERMS

Our terms are cash and prices are net, with no discounts. To persons and firms with established credit we are glad to extend the convenience of a charge account. Usual credit references are required.

### MAIL AND TELEPHONE ORDERS

We are organized to give mail and telephone orders the same personal attention as orders placed in our store. If it is not convenient to come to the store we will appreciate your order either by mail or telephone.

### REMITTANCES

These should be sent by money order, registered letter, bank draft, or check. Amounts less than \$1 may be sent in postage stamps.

### MERCHANTS AND MARKET-GARDENERS

For years we have supplied merchants and market-gardeners with our quality SEEDS and allowed liberal discounts on other items. Let us quote you and make our store your headquarters.

### PARCEL POST SHIPMENTS

Where the catalogue provides that postage be added to the remittance, include for postage as follows: For first and second zones—  
Less than 1-lb. package.....\$0.12  
1-lb. package..... 12  
2-lb. package..... .15  
3-lb. package..... .17  
4-lb. package..... .19  
5-lb. package..... .21  
10-lb. package..... .31  
15-lb. package..... .41  
20-lb. package..... .51  
25-lb. package..... .61  
50-lb. package..... 1.11

### FREIGHT AND EXPRESS SHIPMENTS

State whether you want freight or express shipment made. If yours is a prepaid station, full transportation charges must be sent with the order.

*Official Disclaimer Clause—NON-WARRANTY—"The Chaapel's Seed Store gives no warranty, express or implied, as to the productiveness of any seeds or bulbs it sells and will not be in any way responsible for the crop. Our liability, in all instances, is limited to the purchase price of the seed."*

Under Same Family Management for 73 Years—1877-1950—73 Years

# CHAAPEL'S SEED STORE

39 EAST THIRD STREET

WILLIAMSPORT 6, PA.

P. A. McGowan — Helen Chaapel McGowan





## BEAUTIFUL ASTERS

The introduction of a Wilt-resistant strain of Asters of recent years has helped tremendously in restoring this beautiful flower to popular favor as a garden plant. Up until the time of the origination of this resistant strain, garden enthusiasts were becoming discouraged trying to grow Asters outdoors with the wilt-disease so prevalent. The appearance of this new strain has again awakened interest in the culture of Asters.

### AMERICAN BEAUTY

#### Wilt-resistant Aster

This beautiful variety is beyond doubt one of the grandest sorts in cultivation. It is of the Late Branching type, growing from 2 to 2½ feet high. The flowers are large and full with incurved petals.

	Pkt. 1/8 oz.	
<b>Crimson Beauty.</b> Crimson....	\$0.15	\$0.75
<b>Lavender Beauty.</b> Lavender...	.15	.75
<b>Purple Beauty.</b> Violet-purple..	.15	.75
<b>Shell Pink, Beauty.</b> Pink....	.10	.75
<b>White Beauty.</b> Pure white....	.15	.75
<b>Finest Mixed</b> .....	.10	.50

### HEART OF FRANCE

**Rich Ruby, Red.** Large. Pkt. 15c., 1/16 oz. 25c.



ASTER, GIANT CREGO

### GIANT CREGO

#### Wilt-resistant Aster

These are the finest Asters for cut flowers, growing 2 feet high, well branched, of sturdy growth.

	Pkt. 1/8 oz.	
<b>Azure Blue</b> .....	\$0.15	\$0.50
<b>Crimson</b> .....	.15	.50
<b>Light Pink</b> .....	.15	.50
<b>Purple</b> .....	.15	.50
<b>White</b> .....	.15	.50
<b>Finest Mixed</b> .....	.10	.40

### SUPER GIANTS

The largest and most fully double Aster known. Plants grow 2½ feet tall.

**El Monte.** Crimson. Pkt. 15c., 1/8 oz. 50c.

**Los Angeles.** Shell pink. Pkt. 15c., 1/8 oz. 50c.

### IMPROVED GIANTS OF CALIFORNIA

30 inches

Late, midseason. Large flowers with petals curled and interlaced. Ideal for show and cutting.

**Mixed Colors.** Pkt. 15c., 1/16 oz. 50c.

### NEW PRINCESS ASTERS

#### (WILT-RESISTANT)

A very attractive New, Early Flowering Aster. Branching habit and very free flowering. Flowers have a deep crested center.

**Princess Anne.** Opening delicate pink, it turns rose-pink as the flowers mature.

**Princess Bonnie.** Soft salmon-rose shade.

**Princess Marsha.** Vibrant cinnabar scarlet. Excellent for cutting.

**Princess Barbara.** Orchid.

**Princess Linda.** Clear rose.

Each, Pkt. 25c., 1/8 oz. \$1.25

**Princess Mixed.** Pkt. 15c., 1/8 oz. \$1.00.

### CALIFORNIA SUNSHINE

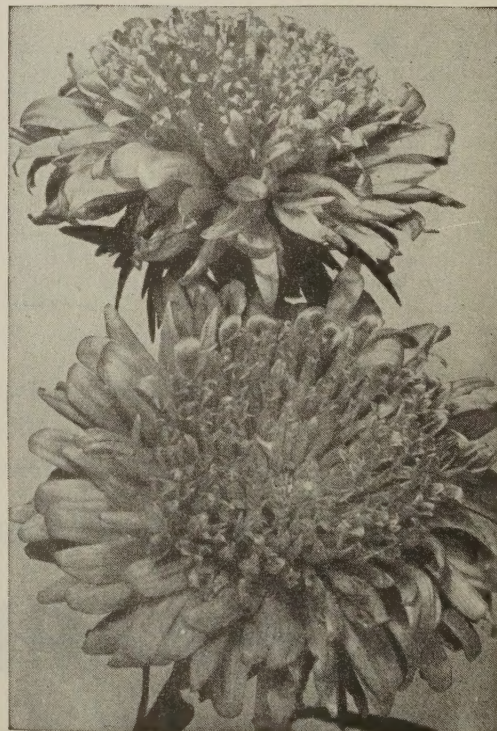
Midseason blooming. Flowers measure 4 to 5 inches across and have a single row of loosely placed outer petals with a quilled center.

**Mixed Colors.** Pkt. 10c., 1/16 oz. 50c.

### AMERICAN BRANCHING

An Aster selected for its large, double, Chrysanthemum-like blooms borne on long, stiff stems. Plants grow from 2½ to 3 feet high.

**Mixed Colors.** Pkt. 10c., 1/8 oz. 40c.



ASTER, PRINCESS BONNIE



# Reliable Flower Seeds

Our list of Flower Seeds has again been carefully revised and comprises only the choicest and most selected types in their respective classes, which we are certain will give satisfaction. *All Flower Seeds Postpaid.*

## BRIEF CULTURAL DIRECTIONS

**Hardy Annuals**—H.A.—Seeds sown outdoors, bloom the first year.

**Half Hardy Annuals**—H.H.A.—Those that are sown under glass in the early Spring and transplanted outdoors in April and May.

**Hardy Biennials**—H.B.—Seeds sown outdoors and bloom the next year, some bloom the first year if sown early.

**Half Hardy Biennials**—H.H.B.—Seed sown one year under glass and planted outdoors the following Spring.

**Hardy Perennials**—H.P.—Seeds sown outdoors one year bloom the next and each succeeding year without protection.

**Half Hardy Perennials**—H.H.P.—These bloom from seed the second year, but need Winter protection thereafter.

**Greenhouse Plants**—G.P.—Tender plants for growing under glass.

## AFRICAN GOLDEN DAISY

An extremely showy annual Daisy from South Africa. The bushy plant grows 12 inches high, and the flowers are 2½ inches across, a rich glossy orange-yellow, with dark disc and halo. Blooms continuously.

Pkt. 10c., ¼ oz. 25c.

## AGERATUM. H.H.A.

Blooms throughout the entire Summer and Fall. 1 foot.

**Blue Ball.** Richest shade of blue. Pkt. 10c., ¼ oz. 50c.

**Blue Cap** (Re-selected). Dwarf, rich deep blue. Pkt. 10c., ¼ oz. 50c.

**Blue Perfection.** Finest blue bedding variety. Pkt. 10c., ¼ oz. 50c.



AGERATUM—BLUE BALL

## CALENDULA. H.A.

(Pot Marigold)

**Campfire (Sensation).** Brilliant orange flowers. Their characteristic flatness accentuates their unusual size. Pkt. 10c., ¼ oz. 50c.

**Orange King.** Double, rich orange-red variety, producing flowers over 3 in. in diameter. Pkt. 10c., ¼ oz. 20c., oz. 60c.

**Orange Shaggy** (New). Pkt. 10c., ¼ oz. 30c.

**Radio.** Deep orange, quilled petals, long stems. Pkt. 10c., ¼ oz. 20c.

**Sunshine or Chrysantha.** Tall, large double Buttercup yellow flowers with long, wide petals drooping in the same manner as a Chrysanthemum. Pkt. 10c., ¼ oz. 20c., ¼ oz. 35c.

**Mixed, All Double Sorts.** Pkt. 10c., ¼ oz. 15c.

## CANDYTUFT. H.A.

Showy plants, much grown in masses in beds or for edging. 12 inches.

**Coronaria, Giant Hyacinth-flowered.** White. 1 ft. Pkt. 10c., ¼ oz. 20c.

**Mixed Annual Sorts.** Pkt. 10c., ½ oz. 25c.

**Fairy Pink** (New). A dwarf, soft salmon-pink color. Pkt. 15c., 1/16 oz. 75c.

**Midget Blue** (New). Azure-blue, 3-4 in. Pkt. 25c., 1/16 oz. 75c.

## ALYSSUM. H.A.

Pretty little plants for beds, vases or along edgings or rockwork; blooming profusely all Summer.

**Carpet of Snow.** Dwarf; pure white. 4 in. Pkt. 10c., ¼ oz. 25c.

**Lilac Queen.** Pure lilac flowers, dwarf and compact growth. 6 in. Pkt. 15c., ¼ oz. 25c.

**Little Dorrit.** A perfect little bush 4 in. high smothered with miniature white flowers. Pkt. 10c., ¼ oz. 25c.

**Maritimum** (Sweet Alyssum). Fragrant white; flowers all Summer. 6 in. Pkt. 10c., oz. 40c.

**Saxatile compactum.** H.P. Spring-blooming Alyssum with yellow flowers. 12 in. Pkt. 10c., ¼ oz. 25c.

## AMARANTHUS. H.A.

Annuals with brilliant foliage, thriving best in a hot, sunny location and a soil that is not too rich. 3 to 5 feet high.

**Caudatus** (Love-lies-Bleeding). Blood red; drooping. 3 ft. Pkt. 10c., ¼ oz. 25c.

## ARCTOTIS. H.H.A.

**Grandis.** Daisy-like flowers; white shaded blue. Pkt. 10c., ¼ oz. 25c.

## BALSAM. H.A.

(Lady Slipper)

Very showy and easily grown, succeeding best in sunny situations. 1 to 1½ feet.

**Mixed Colors.** Pkt. 10c., ¼ oz. 25c.

## CARNATION

### ANNUAL VARIETIES

These are general favorites for their richness of color and delightful fragrance.

### MARGUERITE CARNATIONS

These will bloom in four months after sowing the seed. The flowers are large, fragrant, and are produced continuously.

**Choice Mixed.** Pkt. 10c., ¼ oz. 75c.

### CHABAUD'S GIANT

Blooms in five months after seed is sown and continues to bloom throughout the Summer. Flowers of fine substance and usually come 90 per cent double. Pkt. 10c., ¼ oz. \$1.00.

**Choice Mixed.** Pkt. 10c., ¼ oz. 40c.

ALL PRICES SUBJECT TO MARKET CHANGES

## BELLIS. H.P.

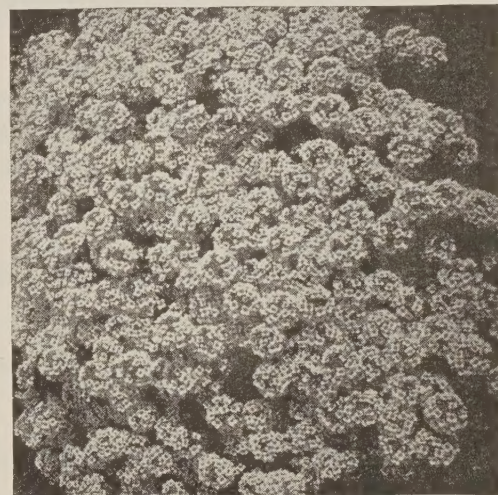
**Perennis fl. pl.** (Double English Daisy) Spring-flowering perennial. 6 in. Pkt. 15c.

## BRACHYCOME. H.H.A.

**Iberidifolia, Mixed.** The well-known "Swan-river Daisy" is a beautiful little, half-hardy annual. Pretty blue flowers. 18 in. Pkt. 10c., ¼ oz. 75c.

**Finest Mixed.** Pkt. 10c., 1/16 oz. 30c.

## ASTERS—See page 2.



ALYSSUM—LILAC QUEEN

## CALLIOPSIS

A very showy annual in bloom from early Summer till frost. Single or double.

**Golden Crown.** Large, rich orange-yellow flowers on 1 ft. stems. Blooms for a long time. Pkt. 10c., ¼ oz. 25c.

**All Colors Mixed.** Pkt. 10c., ¼ oz. 20c.

**Dwarf Colors Mixed.** Pkt. 10c., ¼ oz. 20c.

## CAMPANULA (New Annual)

This desirable class blooms within six months from seed. Same large flowers as in the Biennial varieties.

**Mixed Colors.** All the colors of the Biennial Campanula; shades of blue, rose and white carefully blended. 2 to 2½ ft. Pkt. 15c., ¼ oz. 40c., ¼ oz. 75c.

## CARDINAL CLIMBER

Bright red Morning-glory-like flowers on vines, 10 to 20 feet long. Sow outside in early Spring. Pkt. 10c., ½ oz. 30c.

## CASTOR-OIL BEAN

Pkt. 10c., ½ oz. 25c.



**CANARY BIRD VINE**

Sulphur yellow flowers with a green spur. The shape resembles a canary bird. Vines 8 to 10 feet. Pkt. 10c., ½ oz. 30c.

**CENTAUREA. H.A.**

(Cornflower)

These old-fashioned flowers represent the best and most beautiful Summer blooming plants.

**Cyanus, Double Blue, Rose.** Each, pkt. 10c., ¼ oz. 25c.

**Double Mixed.** Pkt. 10c., ¼ oz. 15c., ½ oz. 25c.

**Imperialis (Giant Sweet-Sultan).** The finest of all Sweet Sultans for cut flower purposes. ¼ oz. 25c., ½ oz. 40c.

**Jubilee Gem.** Dwarf and compact, dark blue flowers. Excellent for beds and mass planting. Pkt. 15c., 1/16 oz. 50c.

**CHRYSANTHEMUM**

**Golden Crown.** Flowers with finely quilled petals of bright golden yellow. Unusually free-flowering, growing to a height of 2½ to 3 ft. Seed must be started very early. Pkt. 25c., ½ oz. 40c.

**Single Annual.** The bright-colored Daisy-like flowers are useful for cutting. Height, 1 to 1½ ft. **Mixed.** Pkt. 10c., ½ oz. 25c.

**CLARKIA. H.A.**

This pretty and easily grown annual does well either in sun or shade. 2 feet.

**Double Mixed.** All colors. Pkt. 10c., ½ oz. 30c.

**CLEOME. H.A.**

(Giant Spiderflower)

**Gigantea.** Bright rosy crimson flowers; adapted for large beds or borders. 3½ ft. Pkt. 10c., ¼ oz. 30c.

**COBAEA. H.A.C.**

**Scandens.** Tender climber, large bell-shaped blue flower. 20 ft. Pkt. 10c., ¼ oz. 25c.

**COCKSCOMB or CELOSIA**

**Glasgow Prize.** Immense, showy, dark crimson combs. Height, 1 ft. Pkt. 10c., ½ oz. 35c.

**Pride of Castle Gould.** Colors include brilliant shades of pink, orange, and crimson. Annual. Pkt. 10c., ½ oz. 35c.

**COSMOS. H.A.**

This is one of our most beautiful and useful showy annuals. It is most effective when planted in broad masses, or along back ground borders against evergreens or fences.

**Dwarf Early Giant Flowering.** If sown in May in the open ground will usually bloom by the second week in July. Pkt. 10c., ½ oz. 20c., ¼ oz. 40c.

**Early Double Crested.** A splendid class, producing double and semi-double flowers, beautifully crested and most striking in appearance. Pkt. 15c., ½ oz. 50c.

**Klondyke Orange Flare (New).** Vivid orange, early flowering. Pkt. 10c., ½ oz. 50c.

**Sensation (Dazzler).** With their wavy, fluted petals, these enormous blooms are more glorious than words can express. An early flowering strain that grows about 3 feet high. Rich velvety crimson maroon. Pkt. 10c., 1/16 oz. 25c.

**CUPHEA. H.A.**

**Firefly.** Semi-dwarf annual. Fiery cerise-red flowers on compact plants, about 10 in. high. Excellent for the rockery, window boxes or pots. Pkt. 25c.

**CYNOGLOSSUM. H.A.**

**Amabile, Dwarf Firmament.** Beautiful, rich blue, sweet-scented flowers. Fine for cutting. 18 in. Pkt. 10c., ½ oz. 25c.

**Amabile, Pink.** Pkt. 15c., ¼ oz. 50c.

**CYPRESS VINE**

(Ipomoea Quamoclit)

A splendid, quick-growing vine with fine, feathery, rich green leaves and starred with small showy red flowers. Pkt. 10c., ½ oz. 25c.

**DAHLIA**

**Unwin's Dwarf Hybrids.** Graceful, semi-double flowers in many colors. Sow in March indoors and they will bloom by the end of June. Fine for bedding and cutting. Pkt. 25c., 1/16 oz. 50c.

**DIANTHUS. H.A.**

(Pinks)

A most satisfactory class of flowers, easily raised from seed, which are in constant bloom the entire season; fragrant.

**Heddewigi (Single Japan Pink).** Finest single-flowered. **Mixed.** Pkt. 10c., ¼ oz. 25c.

**Heddewigi fl. pl. (Double Japan Pink).** Colors varying from the richest crimson to the most delicate rose. **Mixed.** Pkt. 10c., ¼ oz. 25c.

**Plumarius, Mixed.** H.P. Double and semi-double blooms with spicy fragrance. Known everywhere. 18 in. Pkt. 10c., ½ oz. 35c.

**DIDISCUS**

**Caeruleus (The Blue Lace Flower).** This lovely annual has become extremely popular, on account of its beautiful, lacelike flowers of a delightful lavender-blue. Pkt. 10c., ½ oz. 30c.

**ESCHSCHOLTZIA. H.A.**

(California Poppy)

Eschscholtzias are among our most beautiful and popular annuals, being of the easiest culture. Sow the seed where the plants are to remain. Height 1 foot.

**Aurantiaca.** Rich golden orange. This is the true California Poppy. It is, perhaps, the most desirable where one color is wanted. Pkt. 10c., ¼ oz. 20c., ½ oz. 35c., oz. 65c.

**New Hybrid, Mixed.** Pkt. 10c., ½ oz. 15c., ¼ oz. 25c.

**Ramona, Pink.** Soft pink shades. Pkt. 10c., ¼ oz. 30c.,

**Ramona Strain.** A new compact strain of California Poppies. **Mixed.** Pkt. 10c., ¼ oz. 30c.,

**Ramona, White.** Pinkish tinge. Pkt. 10c., ¼ oz. 30c.

**EUPHORBIA. H.A.**

**Variegata (Snow on the Mountain).** Attractive bright green foliage. Grows 2 ft. high. Pkt. 10c., ¼ oz. 25c.

**FOUR O'CLOCK (Annual)**

(Marvel of Peru)

**Mixed.** A well-known and highly prized annual with lovely scented, colorful blooms which opens up late in the afternoon. Blooms continuously from July until October. Grows 2 ft. tall. Pkt. 10c., oz. 25c.

**GAILLARDIA**

(Blanket Flower)

The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow, orange. Height, ½ foot.

**Indian Chief.** An elegant, showy single-flowering annual variety with metallic red petals, surrounding a mahogany brown center. Pkt. 10c., ½ oz. 25c., ¼ oz. 45c.

**GLOBE-AMARANTH**

Attractive, Clover-like, strawy flower heads, about ¾ inch across.

**Mixed Colors.** 2 ft. high. Pkt. 10c., ¼ oz. 25c.

**GODETIA. H.A.**

**Double Azalea-flowered.** Showy garden annuals 1 ft. high. **Mixed.** Pkt. 10c., ½ oz. 25c.

**GOURDS**

**Ornamental Varieties, Mixed.** Includes a great number of interesting and diverse forms. Pkt. 10c., oz. 25c.

**GYPSOPHILA**

(Baby's Breath)

Annuals and early-flowering Perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

**Elegans alba grandiflora.** H.A. Pure white large flowers. Pkt. 10c., ½ oz. 25c.

**Paniculata.** H.P. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10c., ¼ oz. 30c., ½ oz. 50c.

**Paniculata fl. pl., Double.** H.P. Small, double white bloom. Invaluable for cutting. 3 ft. Pkt. 15c., 1/16 oz. 25c.

**Rosea.** H.A. Rose-colored flowers. Pkt. 10c., ¼ oz. 20c.

**HELIOTROPE. H.A.**

Everyone loves the delightful fragrance and beauty of Heliotrope. Pkt. 10c., ½ oz. 25c.

**HUNNEMANNIA. H.A.**

(Tulip Poppy or Bush Eschscholtzia)

**Sunlite.** Gorgeous, semi-double clear canary yellow blooms with a row of short petals on the outside, instead of the inside of the cup. Pkt. 10c., ½ oz. 60c.

**ICE PLANT. H.A.**

(Mesembryanthemum)

**Crystallinum.** The leaves appear as if covered with a coating of thin ice. Pkt. 10c., ½ oz. 25c.



ESCHSCHOLTZIA





ANNUAL LARKSPUR

## JOB'S TEARS. H.A.

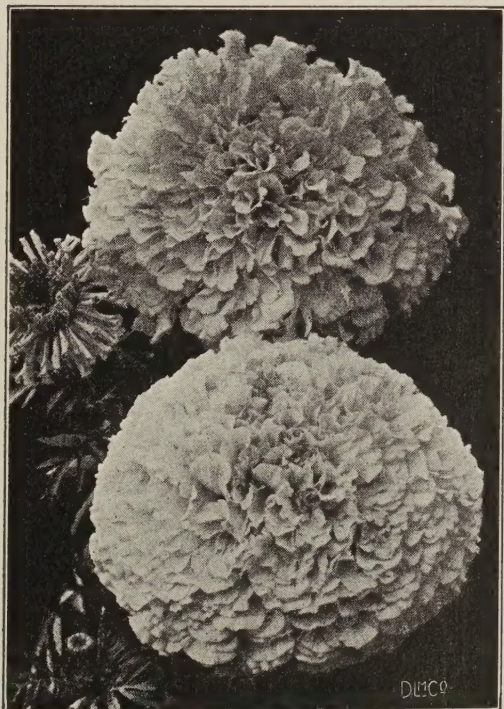
Gray ornamental seeds. Often strung as beads. 2 to 3 feet. Pkt. 10c., oz. 25c.

## LANTANA. H.A.

**Hybrida, Mixed.** Shrubby annual plant with Verbena-like flowers. Height 2 ft. Pkt. 10c., 1/4 oz. 30c.

## LOBELIA

**Crystal Palace.** 4 in. Deepest blue annual. Highly desirable for edgings, ribbon bedding and garden decoration. Pkt. 10c., 1/8 oz. 40c.



MARIGOLD, GUINEA GOLD

## ANNUAL LARKSPURS

**Dark Blue.** Deep lovely blue flowers. Pkt. 10c., 1/8 oz. 25c.

**Empress Rose.** A rich rhodonite-pink changing to hermosa-pink with no trace of mauve. 6 ft. Pkt. 10c., 1/8 oz. 25c.

**Giant Imperial Coral King (New).** A new color in Larkspurs. Blush pink with a strong suffusion of coral. Pkt. 15c., 1/8 oz. 45c.

**Giant Imperial Blue Bell.** Deeper than sky blue. Long spikes of double flowers carried on stems 4 to 5 ft. long. Pkt. 10c., 1/8 oz. 35c.

**Giant Imperial White King (New).** The florets are extremely large and fully double. Pkts. 15c., 1/8 oz. 45c.

**Lustrous Carmine.** Bright red. Pkt. 10c., 1/8 oz. 45c.

**Stock Flowered Rosamond.** Deep rose double flowers on long spikes. Pkt. 10c., 1/8 oz. 45c.

**Mixed Choice Colors.** Fine for cutting. Pkt. 10c., 1/4 oz. 25c.

## LAVATERA. H.A.

(Mallow)

Annual Mallows produce a decorative effect in hedges or borders. The large, cup-shaped blooms, 2 to 3 inches across, bloom the entire Summer.

**Splendens rosea.** Bright rose pink flowers. Pkt. 10c., 1/8 oz. 40c.



LOBELIA

## MARIGOLD

**Crown of Gold (New).** Pkt. 15c., 1/16 oz. 25c.

**Dixie Sunshine.** Pkt. 20c., 1/16 oz. 30c.

**Double Harmony Hybrids (New).** Dwarf Double French. Orange center, petals flanked by broad, velvet dark maroon, brown guard petals. Pkt. 25c.

**Dwarf French Double Butterball.** Compact, scabious-flowered, canary yellow. Only 6 to 10 in. tall. Pkt. 25c., 1/8 oz. 35c.

**Flash.** All-America Bronze Medal Winner. Uniform, compact plants 18 in. high, covered throughout the Summer and Fall with enticing single blooms varying from bright tangerine to rich red. Pkt. 25c., 1/16 oz. 60c., 1/8 oz. \$1.00.

**French (Royal Scot).** Tall double, mahogany and gold. Pkt. 15c., 1/8 oz. 35c.

**French Dwarf Double, Mixed.** Pkt. 10c., 1/8 oz. 25c.

**Giant African, Double.** Height 3 ft. All shades of yellow. **Finest Mixed.** Pkt. 10c., 1/4 oz. 25c.

**Guinea Gold.** Without question the most glorious and lovely of all Marigolds. The richest, purest orange-gold color. 2 to 2 1/2 ft. high. Pkt. 10c., 1/8 oz. 25c.

**Mammoth Mum.** All-America Award. The largest-flowering incurved Chrysanthemum-flowered Marigold. Looks much like the large chrysanthemums. The flowers are 4 to 5 inches across, of rich lemon-yellow. Blooms 2 1/2 months from seed. The 3-foot plants are erect, strong and bushy, giving long stems to these beautiful flowers. Pkt. 15c., 1/8 oz. 50c.

**Mayling** (Named for Mme. Chiang Kai-shek). Carnation-like, with dainty fringed petals. Buttery golden-primrose. Early and continuous. Pkt. 25c., 1/8 oz. 75c.

**Scarlet Glow.** A dwarf French double, bright bronzy red, largest and brightest French sort. Pkt. 25c., 1/8 oz. \$1.00.

**Spry.** Extra dwarf, double French type; orange center, outer petals maroon. Pkt. 25c., 1/8 oz. \$1.00.

**Sunkist.** A very dwarf Marigold with rich, blazing orange flowers, 1 1/2 inches across. Plants grow from 6 to 12 inches tall and are well covered with showy, attractive blooms. Pkt. 25c., 1/8 oz. 50c.

**Sunset Giants (New).** A Marigold without the objectionable odor. Flowers loosely formed, full center, colors light yellow to deep orange. Pkt. 15c., 1/16 oz. 75c.

**Yellow Pygmy (Dwarf French).** All-America winner. Plants only 6 in. high, sparkling, light lemon-yellow flowers, very early, continuous. Pkt. 25c., 1/8 oz. 50c.

**Yellow Supreme.** Pkt. 10c., 1/8 oz. 35c.

## CHRYSANTHEMUM-FLOWERED VARIETIES (Incurved)

Identical in form to a lovely Chrysanthemum.

**Limelight.** Color very light primrose yellow. Flowers 2 3/4 in. across, round and symmetrical. Early flowering. Uniform, dwarf, bushy, 20 in. plants, 2 ft. across. Pkt. 20c., 1/4 oz. 85c.



MARIGOLD, CROWN OF GOLD



# PETUNIAS



PETUNIAS

## Double Giants of California

**Macdonald's Exquisite Mixed.** An improved Shepherd Strain of Double Petunia. Immense blooms are typical of this improved double strain, each being so ruffled and fringed that the petals have to be parted for proper pollination and seed production. Magnificent color range and high doubles percentage. Pkt. 50c., 1/64 oz. \$5.00.

## Giant Ruffled

(*Hybrida Grandiflora Superbissima*)

The flowers, with their large, wide-open throats, are deeply ruffled, artistically veined, and, when well grown, often measure 5 to 7 inches across. Flowering plants can be had in four months from the time of sowing the seed. Plants bloom until frost.

**Fluffy Ruffles.** A marvelous blend of Giant Ruffled Petunias in many beautiful colors, with wide-open throats, many of which are feathered or veined with contrasting delicate or deep, rich hues. Pkt. 15c., 1/32 oz. \$1.50.

## Giants of California

**Giant-flowered Ruffled Varieties.** Vigorous growers of semi-trailing habit, with flowers which often measure 4 in. across. Many light shades, mostly with blotches and pencil-markings of a different color in the throat. A superb strain. Pkt. 25c., 1/32 oz. \$3.00.

**New Dwarf California Giants (Ramona Strain).** A fine, new, dwarf, compact strain of the well-known California Giants. Excellent for pots. Pkt. 25c., 1/32 oz. \$2.75, 1/16 oz. \$5.00.

## Bedding Petunias

(*Petunia Hybrids*)

Plants are extremely free blooming, producing a wealth of flowers even under the most trying conditions of weather and soil. Ideal for large beds, borders and porch boxes. Grow 1½ to 2 feet tall.

### SINGLE FRINGED

**Burgundy.** Single plain edged (New). Red with white throat, strong grower. Pkt. 25c., 1/32 oz. 75c.

**Dainty Lady.** A new yellow single fringed Petunia. Pkt. 25c., 1/32 oz. 75c.

**Elk's Purple.** Lovely deep violet-purple blooms forming a 5-pointed star with their large, smooth-edged lobes. Remarkably rich and even tone. Pkt. 25c., 1/128 oz. 75c., 1/64 oz. \$1.25.

**Flaming Velvet.** Rich velvety blood-red. Pkt. 35c., 1/8 oz. \$1.25.

**Gen. Dodds.** Vivid dark crimson flowers of a soft, velvety texture. Pretty. Pkt. 15c., 1/8 oz. \$1.00.

**Hollywood Star.** Star-shaped flowers of a beautiful rose-pink color. Pkt. 25c., 1/8 oz. \$1.25.

**Howard's Star Improved.** Deep crimson-maroon starred blush-white. Pkt. 25c., 1/16 oz. 45c., 1/8 oz. \$1.25.

**Radiance.** Rich cerise-rose with enough underlying salmon to intensify its brilliance; all in lovely contrast to the brown veined golden yellow throat. Pkt. 25c., 1/16 oz. 60c., 1/8 oz. \$1.00.

**Snowstorm.** Pure, clear, snow-white flowers are borne most lavishly. Pkt. 15c., 1/8 oz. 45c., 1/4 oz. 75c.

**All Colors Mixed.** A choice assortment of bedding spreading varieties in a wide and varied range of colors; makes a showy, bright display in beds and borders. Pkt. 10c., 1/8 oz. 40c., 1/4 oz. 70c.

## Dwarf Petunias

(*Hybrida Nana Compacta*)

The dwarf, compact Petunias are very free flowering, the round, mound-like plants being covered with blooms from early Summer until frost. Ideal for edgings to taller plants, beds, borders and pot culture. 1 foot tall.

**Celestial Rose.** Deep rose; compact; excellent for bedding. Pkt. 25c., 1/4 oz. \$1.25.

**Lady Bird (Bronze Medal, 1939, A.A.S.)** Large blooms of a remarkable shade of bright velvety scarlet; dark throat. Very free flowering. Pkt. 25c., 1/16 oz. 75c.

**Martha Washington (Ruffled nana compacta) (New).** The color is quite remarkable: The frilled portion of the flower is a beautiful blush-pink and the center portion is strongly veined a rich wine-red deepening in the throat, to dark violet. It is very suitable for borders, bedding, pots, or window-boxes. Pkt. 15c., 1/32 oz. \$1.00.

**Rosy Morn.** Medium-sized flowers of clear rose-pink with white throat. Pkt. 15c., 1/8 oz. 50c., 1/4 oz. \$1.25.

**Rose of Heaven.** Exquisite rose with a rather inconspicuous light throat. Very bright and showy. A lovely color, always admired. Pkt. 10c., 1/8 oz. 50c., 1/4 oz. \$1.25.

**Salmon Supreme.** Rich color, salmon when first opening, changing to a glistening soft salmon-pink. The loveliest color imaginable. Winner of All-America Award of Merit. Pkt. 25c., 1/128 oz. 60c., 1/64 oz. \$1.00.

**Snow Queen.** Height 12 in., good sized, white flowers on bushy plants. Pkt. 25c., 1/16 oz. \$1.25.

**Snowstorm Improved.** The finest pure white bedding Petunia. Dwarf, compact and very free flowering. Pkt. 25c., 1/16 oz. \$2.00.

## PETUNIA, FIRE CHIEF

All-America

Sweepstakes Winner for 1950—See First Page Cover

Brilliant color. The reddest Petunia you've seen! Dwarf habit: Free blooming. Hybrida Nana Compacta type. Record Maker: All-time point winner since the All-Americas were founded, and overwhelming choice of 20 judges. Fire Chief is the only winner for 1950. A grand Petunia.

Pkt. 25c., 1/32 oz. \$1.50

## Balcony Petunias

A splendid large and free flowering type for window boxes, vases, hanging baskets, etc. The flowers measure 3 inches in diameter. Also fine for beds and borders.

**Balcony Blue.** A very fine, rich blue. Pkt. 15c., 1/16 oz. 75c.

**Balcony Crimson.** A glowing color. Pkt. 15c., 1/16 oz. 75c.

**Balcony Rose.** Always greatly admired. Pkt. 15c., 1/16 oz. 75c.

**Balcony White.** Excellent pure white blooms. Pkt. 15c., 1/16 oz. 75c.

**Balcony Mixed Colors.** Highly recommended for a colorful effect. Pkt. 10c., 1/16 oz. 50c.

**Black Prince.** Deepest maroon. Pkt. 20c., 1/16 oz. 75c.

**Cornflower Blue (Blue Wonder).** Magnificent Cornflower blue blooms. Pkt. 15c., 1/32 oz. 75c.





MIGNONETTE

### MIGNONETTE, Sweet-scented

Valuable on account of its fragrance. Sow in succession during the Summer. Annual. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

### MORNING-GLORIES

(*Ipomoea*)

**Clark's Early Mammoth** (New). Blue. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Cornell** (New). Cornelian red with white borders. Pkt. 25c.,  $\frac{1}{4}$  oz. 50c.

**Heavenly Blue** (*Rubra caerulea*). True blue flowers with white throat measuring  $3\frac{1}{2}$  to 4 in. across. Very beautiful and good bloomers. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Japanese Imperial**. Flowers of immense size in a great variety of colors. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c.

**Pearly Gates**. A big, satiny white, with a creamy shading in the throat, gives this a beautiful appearance. Pkt. 25c.

**Scarlett O'Hara** (New). Gold Medal Award 1938 and 1939. Pkt. 25c.,  $\frac{1}{8}$  oz. 50c.

### MEXICAN FIRE-BUSH or SUMMER CYPRESS

An easily grown annual which forms a cypress-like hedge. Height, 2 to 3 feet. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.



IPOMOEA CORNELL

### GRAND NEW DOUBLE SWEET-SCENTED NASTURTIUM

**Double Gleam Hybrids**. A collection of gorgeously colored, large, well-formed double flowers of dazzling beauty. Semi-dwarf, easily grown in the garden. Fragrant. Pkt. 10c., oz. 25c.

**Double Scarlet Gleam**. Individual double blooms of fiery orange scarlet, almost 3 in. across. Plants are semi-dwarf. Pkt. 10c., oz. 25c.

**Golden Gleam**. Large double golden yellow flowers  $2\frac{1}{2}$  in. to 3 in. across. Stiff, erect stems 6 in. in length. Pkt. 10c., oz. 25c.

**Dwarf Double Gem**. Very compact plants without runners; an abundance of long-stemmed flowers in colors ranging from the deepest crimson through orange, salmon and cerise to cream. Pkt. 15c.

### SINGLE-FLOWERING NASTURTIUMS

**Our Gilt-edge Mixtures** are especially rich in brilliant colors, large, single flowers and free blooming.

**Tall or Climbing Choicest Mixed**. Oz. 20c.

**Tom Thumb Dwarf, Choice Mixed**. Oz. 20c., 2 ozs. 35c.



NASTURTIUM, DOUBLE GLEAM

### NICOTIANA. H.A.

(*Flowering Tobacco*)

**Affinis, New Hybrids**. The plants average  $2\frac{1}{2}$  ft. in height and bloom profusely in shades of rose red, crimson, and creamy white. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

### NIEREMBERGIA. H.A.

(*Cup Flower*)

**Hippomanica**. A beautiful little plant for border decoration; 4 to 6 in. high, flowers delicate lavender, 1 to  $1\frac{1}{4}$  in. across with a clear yellow eye. Pkt. 25c.



NICOTIANA AFFINIS

### PHACELIA. H.A.

Attractive little plants delighting in rather dry soil and a sunny situation. Fine for edgings and rockeries. Of easy culture. A gem for the "blue" garden.

**Campanularia** (*California Blue Bells*). Gentian-blue with contrasting white anthers. 9 in. Pkt. 10c.,  $\frac{1}{4}$  oz. 30c.

### PANSIES. H.P.

**Giant Perfection Mixed**. This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25c.,  $\frac{1}{16}$  oz. \$1.00.

**New Swiss Giants**. The flowers are enormous, of beautiful, velvety texture, on long stems and in an unsurpassable mixture of salmon, dark blue, pink, mahogany, yellow and red, all of which are beautifully blotched. Pkt. 25c.,  $\frac{1}{16}$  oz. \$1.00.

**Oregon Giants**. Extra long-stemmed giant flowers of somewhat flattened form; petals gracefully waved at the edge. They can be grown 4 in. across. A wonderful range of colors—everything that is desirable. Pkt. 25c.,  $\frac{1}{16}$  oz. \$1.00.

**Trimardeau or Giant Mixed**. A Giant Flowering variety with an improved color range. Artistic effects can be achieved by planting this superb mixture. Pkt. 15c.,  $\frac{1}{16}$  oz. 75c.,  $\frac{1}{8}$  oz. \$1.40.



PANSY, SWISS GIANT



**WE CARRY A FULL LINE OF  
BULBS FOR FALL PLANTING.  
PRICES WILL BE AVAILABLE  
OCTOBER 1st**

### "Shakespeare's Pansies"

A simple, quaint little gem suitable for any location in the garden. Gay, picturesque little faces reminiscent of the gardens of Olde England. Pkt. 35c.

### PHLOX DRUMMONDI. H.A.

**Fireball.** Crimson-scarlet. For dwarf beds or borders where plants growing 5 to 6 in. tall are wanted. They bloom freely throughout the Summer. Pkt. 15c.,  $\frac{1}{8}$  oz. 50c.

**Salmon Glory.** A pure salmon-pink with a distinct creamy-white eye. Gigantic florets  $1\frac{1}{2}$  in. in diameter on 10 in. trusses. One of the outstanding novelties of the year. Pkt. 25c.,  $\frac{1}{16}$  oz. 75c.

**Choice Mixed.** All colors of the rainbow can be reproduced in their globular flower heads borne on strong stems which in a properly planted bed will form a sheet of color. Annual. Pkt. 10c.,  $\frac{1}{8}$  oz. 35c.

### PORTULACA. H.A.

(Moss Rose)

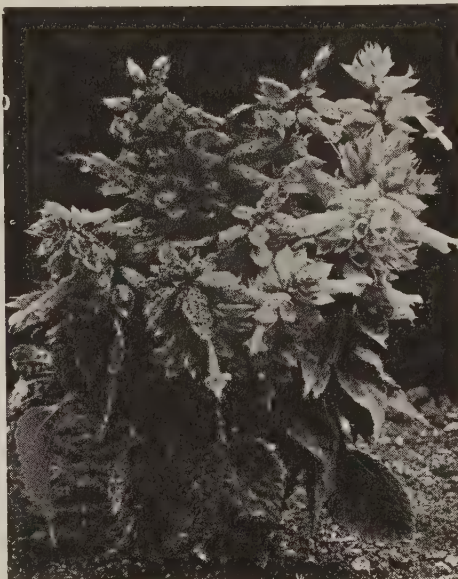
Dwarf-growing plants of easy culture, thriving best in a light, sandy soil and a sunny situation.

**Double Mixed.** Unsurpassed for brilliancy. A wide range of colors—orange, red, and white. Pkt. 10c.,  $\frac{1}{16}$  oz. 50c.,  $\frac{1}{8}$  oz. 75c.

**Single Mixed.** Pkt. 10c.,  $\frac{1}{16}$  oz. 25c.



SNAPDRAGON, ROSALIE



SALVIA

### ANNUAL POPPY. H.A.

**Double Shirley Art Shades.** A most charming Poppy. Large double flowers. Petals crinkled and fluted, measuring 3 to 4 in. across. **Mixed Colors** of clear new shades. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Shirley, Mixed Colors.** Varying in color from pure white to rosy carmine and deep crimson in mixture. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

### ROCK GARDEN

**Alpestris.** Dwarf rock plant; dainty pure white flowers. Pkt. 15c.,  $\frac{1}{16}$  oz. 50c.

**Rock Garden Mixtures.** Annual finest mixed. Pkt. 10c. Perennial finest mixed. Pkt. 10c.,  $\frac{1}{16}$  oz. 35c.

### LARGE-FLOWERING SALPIGLOSSIS

A free-flowering annual, succeeding best in cool, moist soils. The large flowers are most vividly spotted and striped on ground-colors of deep blue rose, velvety yellow and reddish bronze. Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.,  $\frac{1}{4}$  oz. 50c.

### SEDUM

**Coeruleum.** 3 in. Pale blue. Pkt. 25c.

### GIANT SNAPDRAGON

(Antirrhinum)

#### RUSTPROOF

The new varieties are so far superior to the old-time Snapdragon that really there is no comparison. The blooms are very much larger, are better shaped, and far more brilliantly colored. The plants bloom very freely over a long period.

**Alaska.** White.

**Apple Blossom.** Rose pink with white edge.

**California Giants.** Exquisite mixed. Pkt. 15c.,  $\frac{1}{16}$  oz. 30c.

**Campfire.** Luminous scarlet.

**Copper King.** Bronzy copper.

**Crimson.** Fiery crimson.

**Daffodil.** Yellow.

**Loveliness.** Soft rose pink.

**Paradise Rose.** Rose pink.

**Yellow Giant.** Deep yellow.

Pkt. 15c.,  $\frac{1}{16}$  oz. 35c.

### SALVIA

(Scarlet Sage)

This popular and showy bedding annual plant should be started either in the house or in hotbeds.

**America or Globe of Fire.** Round, bushy plants, of uniform growth,  $1\frac{1}{2}$  ft. tall, covered with large, well-filled, upright spikes of brilliant scarlet flowers. Popular. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.00,  $\frac{1}{4}$  oz. \$1.75.

**Bonfire.** Compact, bushy plants, 2 ft. high producing erect spikes of brilliant scarlet flowers. Pkt. 10c.,  $\frac{1}{8}$  oz. \$1.00,  $\frac{1}{4}$  oz. \$1.75.

**Splendens.** Tall-growing plants. Height 3 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. \$1.25, oz. \$4.00.

### LARGE FLOWERED DOUBLE SCABIOSA

These beautiful hardy annuals are in great demand. They grow about  $2\frac{1}{2}$  ft. high. We highly recommend these new hybrid Scabiosas to all growers.

**Azure Fairy.** Clear lavender-blue. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Blue Moon (New).** Pkt. 15c.

**Fire King.** Fiery scarlet. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Giant Rosette (New).** Deep rose, suffused with salmon. Pkt. 15c.,  $\frac{1}{16}$  oz. 40c.

**King of the Blacks.** Velvety black-purple. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Peachblossom.** Soft peach-blossom pink. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Peace (New).** All-America Selection, 1941. Pkt. 25c.

**Salmon Beauty (New).** A perfect pure salmon. Pkt. 15c.,  $\frac{1}{16}$  oz. 40c.

**Scabiosa caucasica (Blue Bonnet)** Perennial. Giant Hybrids (Isaac House strain), fringed and ruffled, shades of blue from lavender to dark blue, very large flowers. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Shasta.** Very large, pure white. Pkt. 15c.,  $\frac{1}{16}$  oz. 25c.

**Mixed.** Pkt. 10c.,  $\frac{1}{4}$  oz. 20c.

### SCHIZANTHUS

(Poor Man's Orchid)

**Butterfly Mixture.** Fine bright mixture, free flowering, compact pyramidal plants, 12 in. to 15 in. Pkt. 10c.,  $\frac{1}{16}$  oz. 30c.

**Dr. Badger's Strain of Hybrids.** A beautiful collection of large-flowered hybrids with dainty markings, chiefly in the lighter tones or pastel shades. Pkt. 10c.,  $\frac{1}{16}$  oz. 35c.



SCABIOSA



## STATICE

(Sea Lavender)

**Latifolia.** Blue. Pkt. 10c., 1/16 oz. 25c.

**Sinuata.** Perhaps the prettiest of the various Everlastings, with long sprays of bright-colored paper-like flowers. The seeds are in the dried flower-heads which should be planted without separating, laying them flat instead of upright. **Mixed.** Pkt. 10c., 1/4 oz. 25c.

**Suworowi (Russian).** Bright rose spikes. 30 in. Pkt. 10c., 1/16 oz. 35c.

**Tatarica (Incana).** Small white flowers. 1 1/2 ft. Pkt. 10c., 1/16 oz. 25c.

## STOCKS

**Early Giant Imperial.** Plants about 2 1/2 ft. and having numerous spikes of very large, double, delightfully fragrant flowers. If sown in February or March, will produce plants that will bloom out-of-doors from Midsummer till frost. **Finest Mixed.** Pkt. 15c., 1/8 oz. 50c.

**Ten-Week Stocks.** Plants 18 in. high with fine spikes covered with lovely colored flowers. Pkt. 15c., 1/8 oz. 40c.

## STRAWFLOWER, or EVERLASTING FLOWER

Much prized for durable bouquets and Winter decoration. To dry, gather flowers when partly unfolded and hang, heads down, in a cool place.

**Giant-flowering, Mixed.** Pkt. 10c., 1/4 oz. 25c.

## SUNFLOWER

(Helianthus)

**Dwarf Red.** Rich chestnut-red tipped yellow. 4 ft. Pkt. 10c., 1/2 oz. 15c.

**Stella.** Large golden yellow petals, small dark center. 4 ft. Pkt. 10c., 1/2 oz. 15c.

## VERBENA

An excellent annual for beds and massing and for a gorgeous display during the Summer months it cannot be excelled.

**Crimson Glow (New).** The flowers are pure, self-colored glowing crimson, of good size, freely produced on plants which are semi-compact. **Crimson Glow** is a vivid Verbena and rounds out the color shades of the Verbenas. Pkt. 15c., 1/16 oz. 25c.

**Mammoth Mixed.** Pkt. 10c., 1/8 oz. 25c.  
**Dwarf Mixed.** Pkt. 10c., 1/16 oz. 25c.

# ZINNIAS

## California Giant

The plants reach a height of 2 1/2 feet. Flowers are very large and well formed, with a smooth-topped, graceful appearance, the petals lying flat upon each other. Blooming in about 60 days from planting time.

Pkt. 15c., 3 pkts. 35c., 1/4 oz. 85c.

**Enchantress.** Light rose, deep rose center.

**Golden Queen.** Golden yellow.

**Lavender Queen.** Deep rosy lavender.

**Purity.** Snow white.

**Scarlet Queen.** Deep glowing scarlet.

**Salmon Queen.** Deep salmon rose.

## Double Dahlia-Flowered

The plants are of strong, vigorous habit, fully 3 feet high, producing mammoth flowers averaging 6 inches across by 3 to 4 inches in depth. The range of colors includes many unusual tones, as the result of continued careful selection.

Pkt. 10c., 1/8 oz. 25c., 1/4 oz. 50c.

This type, in Zinnias, bears flowers of mammoth size and in form like a perfect decorative Dahlia.

**Canary Bird.** Fine; large; primrose.

**Crimson Monarch.** Largest and best red.

**Exquisite.** Pale rose, deeper center.

**Meteor.** Deep rich glowing red.

**Oriole.** Immense; orange and gold.

**Polar Bear.** The best large pure white.

**Purple Prince.** Fine deep purple.

**Dahlia-flowered Mixed.** From the varieties named above.

## Fantasy

**Fantasy (New).** A bright colorful mixture of shaggy petaled medium sized double flowers. Pkt. 10c., 1/16 oz. 25c.

**Fantasy Star Dust (New).** The shaggy ray-like petals are entirely different. A delicate, graceful bloom of imposing appearance of a rich golden yellow. The plants are 2 1/2 ft. and early blooming. Pkt. 15c., 1/16 oz. 25c.

**Fantasy Wildfire (New).** Rich, dazzling scarlet. Pkt. 15c., 1/16 oz. 25c.

**Finest Mixed.** The informal, shaggy flowers are very graceful and interesting, and entirely distinct from the more usual formal types. The colors include brightest shades of reds, yellow and orange, as well as the popular pastel pinks and cream. Pkt. 15c., 1/16 oz. 25c.

**Scabious-flowered (New).** Plants 2 1/2 ft., bearing numerous, medium sized flowers. Resembles annual Scabiosa. **Mixed Colors.** Pkt. 15c., 1/16 oz. 25c.

## Crown O'Gold

**Desert Gold (New).** A bicolor Zinnia comprising the deep and lighter shades of gold, each petal overlaid at the base with a deeper golden yellow. The flowers are large, double, well formed on generous stems. Plant 3 ft. tall. Pkt. 15c., 1/16 oz. 25c.

## VENIDIUM

(New African Daisy)

**Fastuosum Hybrids.** Beautiful assortment of pastel shades—buff, lemon, cream, light orange, white and butter-yellow; each petal blotched at the base. Pkt. 15c., 1/16 oz. 35c.

## ANNUAL CUT FLOWER SEEDS for WILD GARDENS

**A Surprise Collection, Containing Practically Every Annual in Existence**

Large borders, along carriage drives and woodland walks, shrubbery borders, and the like, may be pleasingly brightened as a result of freely sowing mixed flower seeds. The expense involved is nominal in comparison with the wealth of bloom obtained. And at blooming time, some of the cheery flowers may be cut and transferred indoors, without noticeably lessening the charm of the outdoor plantings. Be careful not to sow the seeds too close together, as suitable space for plant development will contribute to the effectiveness of your planting.

Pkt. 10c., oz. 30c., 1/4 lb. \$1.00, 1b. \$3.00

## Early Wonder

**Gypsy (New).** A dwarf early bloomer, 30 to 40 days, free blooming, deep rich burnished orange, medium sized flowers on long, wiry stem; a good cut flower. Desirable variety. Pkt. 15c., 1/16 oz. 25c.

## Double Lilliput or Pompon

A very pretty type of compact habit not over 15 inches high, bearing in lavish profusion, small, densely double flowers on long stems, held well above the foliage. Makes a good line or bed and are of more than usual value for cutting.

**Finest Mixed.** Pkt. 10c., 1/16 oz. 25c.

## Gaillardia-Flowered

**Navajo Mixed.** Another new Zinnia type with coloring that remind one of the Double Gaillardias; it is a cross between the Haageana and Elegans type. The flowers are very attractive, of medium size about 2 in. in diameter on good stems. The plants are about 2 ft. tall and very free flowering. The colors range through the mellow tones of rose, pink, bronze, yellow, orange, lavender and combinations of these colors. Pkt. 15c., 1/16 oz. 25c.

## Linearis

**Linearis.** Is a dwarf, early flowering form somewhat comparable to Zinnia haageana. The single flowers are deep golden orange in color, with a delicate, light yellow stripe which contrasts boldly with the dark center—a combination which is most attractive. It is early flowering and the plant reaches a height of 8 or 10 in. with a spread of as much as 2 ft. Pkt. 10c., 1/16 oz. 25c.

**WE CARRY A FULL LINE OF BULBS,  
FOR FALL PLANTING. PRICES WILL  
BE AVAILABLE OCTOBER 1st**



ZINNIA, DAHLIA-FLOWERED



# PERENNIALS AND BIENNIAL FLOWER SEEDS

Pkt. 10c. unless otherwise quoted

*Cultural Directions for Sowing Perennial and Biennial Flower Seeds*

Perennial seed may be sown outdoors from May until September. A good, finely sifted soil should be used, to which add some sand and granulated peat moss. It is absolutely necessary that a shaded location be selected, or if sown in a coldframe, lath coverings or sash covered with burlap should be used. The soil must be kept moist at all times, therefore we deem it advisable to sow in this manner. If the soil should become dry for only a short period, the seed would be destroyed.

A common mistake in sowing flower seeds is covering too deeply; as a general rule cover only to a depth of the thickness of the seeds.

Some seeds are of much slower germination than others, therefore it is wise not to be impatient. For instance, Hardy Primulas will often lie dormant in the ground for six months to a year; Columbines and other varieties of a like nature, two to three months. As soon as the plants are large enough to handle, they should be transplanted to the permanent location in the perennial border or nursery rows.



AQUILEGIA, MRS. SCOTT ELLIOTT

## AGROSTEMMA. H.P.

(Rose Campion)

**Coronaria.** Dark blood red. 2 ft. Pkt. 10c., 1/4 oz. 25c.

## ALYSSUM

**Saxatile compactum.** H.P. Spring-blooming Alyssum with yellow flowers. 12 in. Pkt. 10c., 1/8 oz. 25c.

## ANCHUSA. H.A. and H.P.

(Alkanet, Sea Bugloss)

**Capensis, Blue Bird** (Cape Forget-Me-Not). H.A. A fine, free growing annual variety about 15 in. high with sprays of lovely, Forget-Me-Not-like flowers of a vivid indigo blue. Plants are compact and of even habit. Very showy. Pkt. 10c., 1/4 oz. 25c.

## ARABIS

(Rock Cress)

Early Spring-flowering plants especially adapted for edging and rockery. Pure white blossoms in May. 6 inches. Pkt. 10c., 1/4 oz. 25c.

## ARMERIA. H.P.

**Formosa** (Sea Pink). 2 ft. Deep pink. Pkt. 15c., 1/16 oz. 35c.

## AQUILEGIA. H.P.

(Columbine)

The most graceful and delicate of the more easily grown hardy flowers. The beautiful foliage reminds one of the Maidenhair Fern. Flowers abundantly in the early Summer.

**Mrs. Scott Elliott's Long-spurred Hybrids.** A complete range of colors in flowers of grand size and long spurs. Pkt. 10c., 1/8 oz. 75c.

## AUBRIETIA. H.P.

(Rainbow Rock Cress)

**Mixed.** Pkt. 15c., 1/16 oz. 50c.

## BELLIS

See DAISY, English

## CANTERBURY BELLS. H.P.

**Campanula calycanthem.** The true Cup-and-Saucer Canterbury Bells. **Mixed.** Pkt. 10c., 1/8 oz. 50c.

**Campanula medium** (Single Canterbury Bells). **Mixed.** The old-fashioned sorts, with beautiful, large, bell-shaped blossoms. Height 2 ft. Pkt. 10c., 1/8 oz. 50c.

**Campanula medium** (Double Canterbury Bell). Lovely double bells on tall stems. Height 2 ft. Colors are mixed. Pkt. 10c., 1/8 oz. 50c.

## CANDYTUFT

**Gibraltarica.** H.P. Beautiful bluish-white 12 in. Pkt. 10c., 1/4 oz. 25c.

## CERASTIUM. H.P.

**Tomentosum** (Snow-in-Summer). A dwarf, white-leaved edging plant with small white flowers. Good rock plant. 6 in. Pkt. 10c., 1/16 oz. 20c.

## CHEIRANTHUS. H.H.P.

**Allioni** (Siberian Wallflower). Excellent for rockery or border; brilliant orange flowers. 12 in. Very fragrant. Pkt. 10c., 1/8 oz. 25c.

## CHINESE LANTERN PLANT. H.P.

(Physalis Franchetii)

These fruits may be cut and dried for Winter bouquets. Pkt. 10c., 1/4 oz. 40c., 1/2 oz. 70c.

## COREOPSIS

**Lanceolata grandiflora.** A hardy perennial bearing a profuse and long-continued succession of large, bold, golden yellow flowers during the whole Summer. Seed sown in March will flower the same season. 2 1/2 ft. Pkt. 10c., 1/8 oz. 25c.

**Double Sunburst.** Large, golden yellow, Fine cut flower. Pkt. 10c.

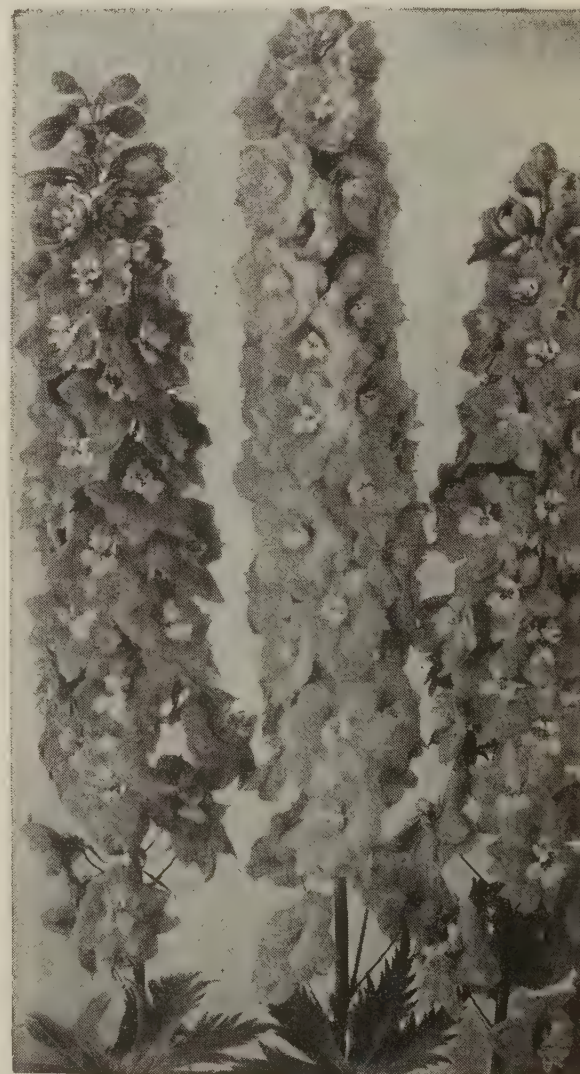
**Mayfield Giant.** Large, deep golden yellow. Pkt. 15c., 1/4 oz. 50c.

## DELPHINIUM H.P. (Hardy Larkspur)

One of our most showy and useful hardy Perennial plants, possessing almost every requisite for the adornment of the garden, producing splendid spikes of flowers in profusion throughout the Summer.

**Belladonna.** This is one of the most free and continuous blooming varieties. Immense spikes of lovely pale blue. Height 4 ft. Pkt. 15c., 1/8 oz. 50c.

**Bellamosa.** A very dark blue variety of particular value for deliberate dark blue mass effect and a striking contrast in connection with the azure shade of Belladonna. Pkt. 15c., 1/8 oz. 50c.



DELPHINIUM, PACIFIC GIANTS



## DELPHINIUM—Continued

**Blackmore & Langdon's Gold Medal Strain.** Famous English Delphiniums, plants vigorous, free blooming, flower spikes 3 ft. long, florets  $1\frac{1}{2}$  to 2 in. across, assorted delicate colors. Undoubtedly the best commercial strain. Pkt. 20c.,  $\frac{1}{16}$  oz. 50c.

**Gold Medal Hybrids.** Plants vigorous, free-blooming, with flower spikes 2 ft. long. Grand assortment of colors in mixture, ranging from lightest blue to purple. Pkt. 15c.,  $\frac{1}{16}$  oz. 75c.

**Pacific Giants.** Remarkable new strain developed by Vetterle and Reinelt on the Pacific Coast. Flowers extremely large and well formed,  $2\frac{1}{2}$  in. to  $3\frac{1}{2}$  in. in diameter, symmetrically spaced on well balanced spikes of thin, woody stems, practically 100 per cent double. This strain is comparatively mildew resistant. Seed we have to offer includes shades produced by the originator and a mixture of our own growing produced from the originator's stock seed. Pkt. 15c.,  $\frac{1}{16}$  oz. 75c.

**Wrexham (Hollyhock Strain).** Sturdy plants producing conical spikes of flowers 2 in. or more across, and  $2\frac{1}{2}$  to 3 ft. long. Colors range from clear light blues and lavenders to shades of deep blue, purple, and mauve. Pkt. 25c.,  $\frac{1}{8}$  oz. \$1.25,  $\frac{1}{4}$  oz. \$2.00.

## DAISY

**English, Double (Bellis Perennis).** Seed should be sown from June 1 until September, transplanted in the Fall, and they will flower the following Spring. If sown in the Spring, they will flower in the Autumn. 4 in. White, Pink, Crimson and Mixed. Pkt. 15c.,  $\frac{1}{16}$  oz. 45c.

## DIGITALIS

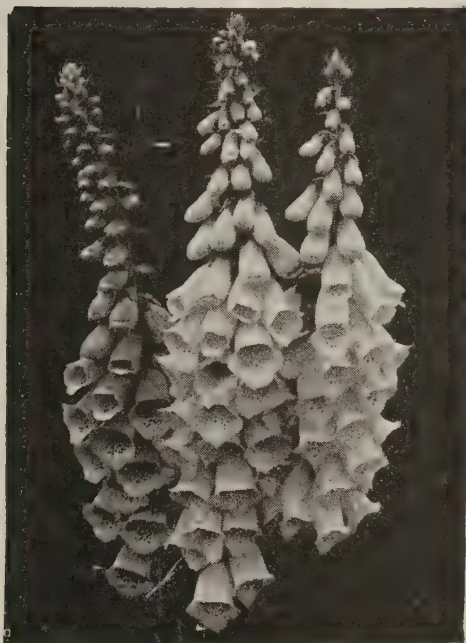
(Foxglove)

Handsome ornamental hardy plants of stately growth, succeeding almost anywhere. Produces long spikes of beautiful, tubular-shaped flowers. 4 to 5 ft.

**Purple, Pink, Salmon, Spotted, Yellow and All Colors Mixed.** Each, pkt. 10c.,  $\frac{1}{16}$  oz. 25c.

## GEUM, H.P.

**Mrs. Bradshaw.** Two feet tall and bearing double orange-scarlet flowers during Summer. Pkt. 10c.,  $\frac{1}{8}$  oz. 50c.



DIGITALIS



GAILLARDIA, INDIAN CHIEF

## GAILLARDIA

(Blanket Flower)

The heads of star-shaped tufted flowers are greatly admired for their rich blending of red, yellow, orange. Height  $\frac{1}{2}$  foot.

**Burgundy.** New coppery scarlet. H.P. Pkt. 10c.,  $\frac{1}{8}$  oz. 35c.

**Grandiflora Mixed.** Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Indian Chief.** An elegant, showy single-flowering annual variety with metallic red petals, surrounding a mahogany brown center. Pkt. 10c.,  $\frac{1}{8}$  oz. 45c.

**The Dazzler.** H.P. Pkt. 10c.,  $\frac{1}{8}$  oz. 30c.

## GYPSOPHILA, H.P.

(Baby's Breath)

Early flowering Perennials, bearing graceful panicles of small flowers that are elegant for cutting and for bunching with other flowers.

**Paniculata.** H.P. White single flowers, fine for bouquets; hardy perennials. Blooms first year if sown early. Pkt. 10c.,  $\frac{1}{4}$  oz. 30c.,  $\frac{1}{2}$  oz. 50c.

**Paniculata fl. pl., Double.** H.P. Small, double white bloom. Invaluable for cutting. 3 ft. Pkt. 20c.,  $\frac{1}{16}$  oz. 50c.

## HELIANTHEMUM, H.P.

(Sun Rose)

**Mutabile.** An excellent, dwarf, creeping perennial for dry soils. Pkt. 10c.,  $\frac{1}{16}$  oz. 20c.

## HEUCHERA

(Coral Bells)

**Sanguinea.** The flowers are of a rich, bright coral-red color. 30 in. high. Pkt. 25c.,  $\frac{1}{16}$  oz. \$2.50.

## HIBISCUS, H.P.

(Mallow)

**Mixed.** Showy shrub-like plants bearing profusely white, pink and red flowers. 5 to 6 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

## HOLLYHOCK, H.P.

**Chater's Superb Double Mixed.** Height 6 to 7 ft. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.

**Single Mixed.** Probably the most showy of the many good old-fashioned flowers. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

## HONESTY, H.B.

(Lunaria, Moonwort, Satin Flower)

**Biennis.** Admired for their silvery seed-pouches. Height 3 ft. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.,  $\frac{1}{4}$  oz. 45c.

## LOBELIA, H.P.

**Crystal Palace.** 4 in. Deepest blue annual. Highly desirable for edgings, ribbon, bedding and garden decoration. Pkt. 10c.,  $\frac{1}{8}$  oz. 50c.

## LINUM, or FLAX, H.P.

**Grandiflorum rubrum.** Fine foliage and delicate stems, with brilliant scarlet-crimson flowers; hardy annual; 15 in. Pkt. 10c.,  $\frac{1}{8}$  oz. 20c.

**Sibiricum.** Large, beautiful, blue flowers, blooms continuously for many weeks. The plants grow from 15 to 24 in. tall. Pkt. 10c.,  $\frac{1}{4}$  oz. 20c.,  $\frac{1}{8}$  oz. 35c.



LUPINUS, RUSSELL'S HYBRIDS

## LUPINUS

(Lupine)

Lupines are showy plants, a little out of the ordinary with handsome, conspicuous flowers, borne in terminal racemes, somewhat resembling the Sweet Pea. Do not attempt to transplant the annual sorts.

**Hartwegi, H.A., Finest Mixed.** Choice assortment of colors. Height 2 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**Polyphyllus, H.P., Finest Mixed.** Various shades of Pink, Purple, Blue, and White. If sown early will bloom the first season. Height 3 ft. Pkt. 10c.,  $\frac{1}{4}$  oz. 25c.

**Russell Hybrids.** Pkt. 15c. and 25c.

## PENTSTEMON, H.P.

(Beard Tongue)

**Gloxinioides.** Very showy plants growing from 2 to 4 ft. high, rather bushy, with very long, slender spikes bearing many trumpet-shaped flowers with hairy throats, hence the name "Beard Tongue." Pkt. 15c.,  $\frac{1}{16}$  oz. 35c.

## PHYSOSTEGIA

(False Dragonhead)

Rosy lilac flowers resembling little Snapdragons. 3 to 4 ft. Pkt. 10c.,  $\frac{1}{8}$  oz. 40c.

## PLATYCODON, H.P.

(Balloon Flower)

**Mixed.** Blue and white. Pkt. 10c.,  $\frac{1}{8}$  oz. 25c.





PYRETHRUM, MIXED

**PANSIES. H.P.**

Strictly considered, this is a Biennial, but the fact that it flowers the first season from seed recommends it as an Annual. There are actually three seasons in which Pansies can be planted. If started in the house from February until April, Pansies will begin to bloom from July on; sown outdoors in May, beautiful flowers are produced in the Fall; sown in frames during July and August and transplanting later gives us the main crop of flowers the following Spring. Pansies thrive best in moist, semi-shaded situations in open exposure.

**Giant Perfection Mixed.** This mixture is composed of giant-flowering sorts having many of the colors and different patterns found in the named varieties both as regards to size, texture and colorings. Pkt. 25c., 1/16 oz. \$1.00.

**Super Swiss Giants Mixed.** An improvement on the original strain with enormous flowers of fine texture and form, coming in a remarkable fine color range and especially well marked, many being beautifully ruffled and curled. Long-stemmed and sturdy plants are also characteristic of this particular strain. Pkt. 25c., 1/16 oz. \$1.00.

**Trimardeau or Giant Mixed.** A Giant flowering variety with an improved color range. Artistic effects can be achieved by planting this superb mixture. Pkt. 15c., 1/16 oz. 75c., 1/8 oz. \$1.40.

**PERENNIAL POPPY. H.P.**

**Mrs. Perry.** Orange-apricot, and a very fine variety, the best of all the "Pink Poppies." Pkt. 25c., 1/16 oz. 75c.

**Oriente, Scarlet.** The big, bright scarlet, Decoration Day Poppy. A hardy perennial form bearing immense single flowers in Spring. Pkt. 10c., 1/8 oz. 50c.

**Perry's White.** The flowers are a fine satiny white with a crimson-maroon blotch at the base of each petal. Pkt. 25c., 1/16 oz. 75c.

**Pilosum.** Apricot, orange. Pkt. 15c., 1/16 oz. 75c.

**Princess Victoria Louise.** Salmon pink. Pkt. 15c., 1/16 oz. 75c.

**Cholcest Mixed.** Fiery red, scarlet, orange-scarlet, salmon and others. A charming mixture. Pkt. 10c., 1/8 oz. 30c., 1/4 oz. 50c.

**PYRETHRUM. H.P.**

(Painted Daisy)

**Pyrethrum, Single and Double Mixed.**

Pkt. 10c., 1/16 oz. 50c.

**Roseum Hybrids, Single and Double Mixed.**

Showy plants that bloom the first season if seed is sown early. Flowers double globular. 2 to 3 in. across, white, rose, crimson and scarlet. Foliage is fine cut. Height 2 ft. Pkt. 15c., 1/16 oz. 50c.

**SAPONARIA. H.P.**

**Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers June-August. Pkt. 10c.

**SAXIFRAGA. H.P.**

**Perennial Species, Mixed.** Pkt. 25c.

**Scabiosa caucasica (Blue Bonnet).** H.P.

Giant Hybrids (Isaac House strain). fringed and ruffled, shades of blue from lavender to dark blue, very large flowers. Pkt. 15c., 1/16 oz. 25c.



POPPY ORIENTALE, MRS. PERRY

**SHASTA DAISY. H.P.**

**Alaska.** A very large-flowering strain, the blooms measuring 4 to 5 in. across, with broad, overlapping petals of purest white. One packet sows 12 ft. of row. Pkt. 10c., 1/8 oz. 30c., 1/4 oz. 75c.

**Double.** Fringed petals on long, wiry stem. Pkt. 25c., 1/16 oz. 75c.

**SIBERIAN WALLFLOWER. H.P.**

Very pretty dwarf hardy biennial plants, usually handled as annuals, flowering freely throughout the Summer. For early Spring flowering, sow in late Summer. Splendid for rockery. Plants grow about 1 foot high, with brilliant orange flowers. Pkt. 10c., 1/8 oz. 25c.

**SWEET WILLIAM. H.P.**

(Dianthus Barbatus)

Wonderful border plants, with heads of bloom of great size and beauty. Our mixture combines many rich and beautiful colors.

**Single.** The fine, rounded trusses 3 to 4 in. across of these sorts are composed of many fine, disc-like flowers gayly colored and marked. **Mixed.** Pkt. 10c., 1/8 oz. 50c.

**Double.** Quite similar in habit and form to the single type but the trusses are made up of many dainty, double blossoms. Less showy than the single sorts but longer in flower. **Mixed.** Pkt. 10c., 1/8 oz. 75c.

**Newport Pink.** Pkt. 15c., 1/8 oz. 75c.

**Scarlet Beauty.** Pkt. 15c., 1/8 oz. 75c.



SIBERIAN WALLFLOWER

**TRITOMA. H.P.**

(Red Hot Poker)

Tall spikes topped by narrow, tubular, pale yellow to orange-red flowers closely arranged in shingle-like fashion.

**New Hybrids.** Unusual colors—citron, yellow, orange, coral-red, etc. Pkt. 15c., 1/8 oz. 45c.

**TUNICA. H.P.**

**Saxifraga.** A pretty tufted plant with light pink flowers, produced all Summer. Useful either for the rockery or the border. Pkt. 15c., 1/8 oz. 50c.

**VALERIAN. H.P.**

(Garden Heliotrope)

Perennial border plants; large flowers having a fragrance resembling that of the Heliotrope. **Mixed.** Height 2 to 3 ft. Pkt. 10c., 1/8 oz. 25c.

**VIOLAS. H.P.**

(Tufted Pansies)

**Cornuta Mixed.** A splendid mixture of the best varieties. Pkt. 15c., 1/16 oz. 45c., 1/8 oz. 75c.



VIOLA, NEW MIXTURE



# Cuthbertson Spencer Orchid-Flowered SWEET PEAS

## Summer Flowering Spencer Mixture Sweet Peas

Blended from only the Giant Waved Cuthbertson varieties. We are sure this mixture will give absolute satisfaction.

**Superb Cuthbertson, Mixed.** Blended from only choice selected colors of the better varieties. Oz. 30c., 2 ozs. 55c.,  $\frac{1}{4}$  lb. 90c., lb. \$3.00.

## Early Flowering Spencer Mixture Sweet Peas

This new class of early-flowering Spencer Sweet Peas is very popular with florists for greenhouse culture.

The flowers are of fine size on long stems. Grown in the open ground, they begin flowering fully four weeks sooner than the Summer-flowering Sweet Peas sown at same time.

It is impossible to make a better blend of colors than this even at much higher prices. In quality unsurpassed and very popular with our customers. Oz. 45c., 2 ozs. 75c.,  $\frac{1}{4}$  lb. \$1.50

## Sweet Peas Cuthbertson Type

Vigorous, long-stemmed, midseason flowering. Flowers are large, long-stemmed and free blooming.

**Pkt. 10c., oz. 50c.**

**Colin.** Scarlet.

**Evelyn.** Salmon cream pink.

**Frank G.** Lavender.

**Janet.** White.

**Lois.** Rose pink.

**Tommy.** Clear marine blue.

## SWEET PEAS

Are not injured by light frosts and may be planted as early in Spring as the condition of the soil will permit.

**Inoculate Sweet Pea Seed with Nod-o-gen. It insures germination and a Stronger Growth.**



EARLY FLOWERING SWEET PEAS

## HARDY SWEET PEAS

Showy, free-flowering perennial. Blooms continuously from early Spring until Midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet. Soak seed overnight, sow  $\frac{1}{2}$  in. deep. Pkt. 10c.,  $\frac{1}{4}$  oz. 15c.

# GLADIOLUS

The Glad Flower in All Its Glory

## OUTSTANDING VARIETIES

	Doz.
<b>Snow Princess.</b> Creamy white.....	\$1.00
<b>Leading Lady.</b> Pure cream.....	1.00
<b>Lavender Queen.</b> Deep lavender....	1.00
<b>King Lear.</b> Beautiful ruffled purple..	1.00
<b>Blue Beauty.</b> The best blue.....	1.00
<b>Algonquin.</b> Clear bright scarlet.....	1.00
<b>Black Opal.</b> Very dark red.....	1.00
<b>Pink Radiance.</b> Ruffled pink.....	1.00
<b>Mother Machree.</b> Smoky.....	1.00
<b>Vagabond Prince.</b> Mahogany with flame blotch.....	1.00

## EXHIBITION COLLECTION

80c. per doz., \$5.50 per 100

<b>Minuet.</b> .....	Clear lavender
<b>Victory Red.</b> .....	Bright red
<b>Rosa Van Lima.</b> .....	Pure pink with faint lavender marking
<b>Gold Dust.</b> .....	Clear deep yellow
<b>Picardy.</b> .....	Soft shrimp pink
<b>Maytime.</b> .....	Pink and white
<b>Beacon.</b> .....	Large scarlet and cream

## POPULAR MIXTURE

65c. per doz., \$3.75 per 100

Composed of high grade varieties in mixture. A splendid lot of bulbs at very low prices. 6 for 35c., 65c. per doz., \$3.75 per 100

**Write for Special Varieties Not Listed**

## A SPECIAL OFFER

1 dozen choice varieties put up in cellophane bag \$1.50

## CERESAN

Treat your GLADIOLUS BULBS with Ceresan, to prevent rotting in cold soils. 4-oz. can 35c.

## GLADIOLI TREATMENT FOR WINTER STORAGE

Use 4 oz. Naphthalene Flakes or Para-Dichlor Benzene to about 100 bulbs and do not leave longer than 3 weeks as they will burn or damage the bulbs if left longer.

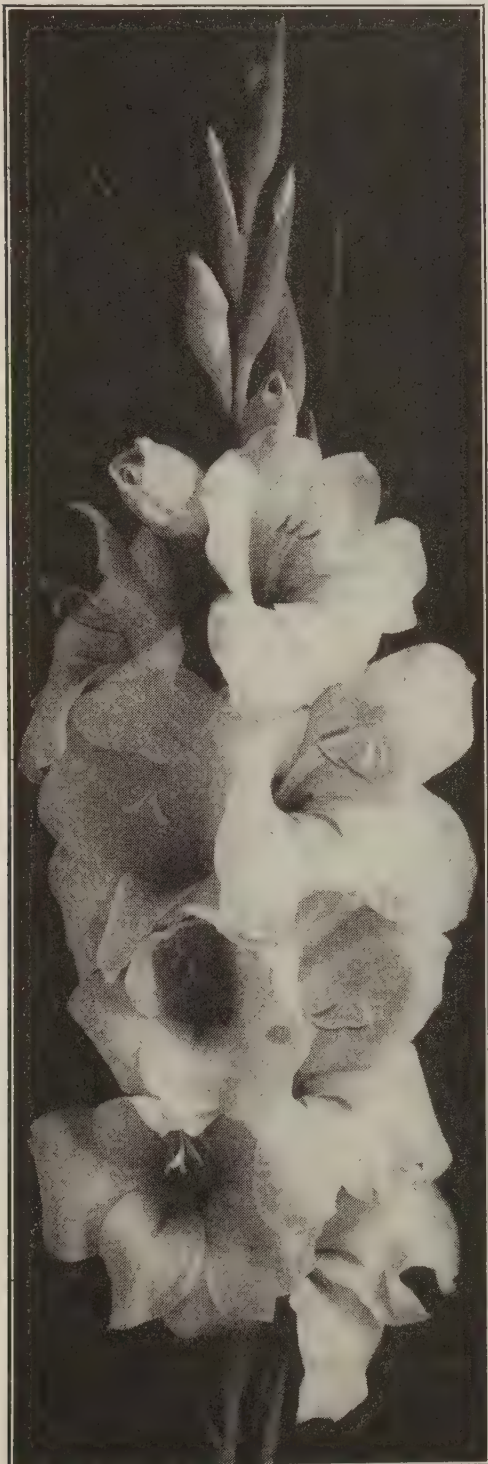
After removing from above, dust with 10% D.D.T. Also dust in rows when planting; 10% D.D.T. is effective for continued control Gladioli Thrip.

<b>Naphthalene Flakes.</b> .....	Lb. 25c.
<b>Para-Dichlor Benzene.</b> .....	Lb. 50c.
<b>10% D.D.T.</b> .....	8-oz. canister 79c.

## TARTAR EMETIC

A treatment for the control of thrips on growing Gladiolus in the field. It does not injure the Gladiolus foliage as does Paris Green and Brown Sugar.  $\frac{1}{4}$  lb. canister 45c., 1-lb. canister 95c., 5-lb. canister \$3.75

Prices subject to change



PICARDY



# Choice Roses *for the Home Garden, Trellis or Border*

## HYBRID TEA ROSES

This class of Rose is most satisfactory, since they continue to flower throughout the season from early Summer until frost. They are hardy but it is advisable to give Winter protection, especially when planted in exposed places.

### STANDARD VARIETIES OF THE BETTER KIND

#### ALL NO. 1 GRADE

Each.....99c.

Per doz.....\$10.50

**Briarcliff.** Lovely shade of soft-pink. Beautiful in bud and in full flower.

**E. G. Hill.** One of the most valuable. A dazzling scarlet shading to deeper pure red as it develops. Free-bloomer and disease-resistant.

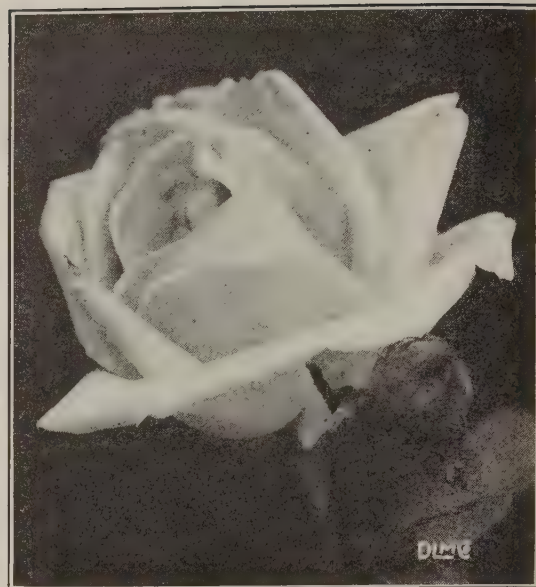
**Etoile de Hollande.** Brilliant red blooms of large size; very fragrant. One of the most popular red Roses.

**Roslyn.** Long pointed buds of deep orange. Full blooms of golden yellow.

**Talisman.** The sensationally popular Rose. The gold and red petals are especially beautiful in bud form. Everyone admires this variety.



CLIMBING ROSE, DR. VAN FLEET



HYBRID TEA ROSE, BRIARCLIFF

## Climbing Roses

Each 95c.

Any garden is made more colorful, more attractive by the addition of Climbing Roses. The great clusters of gorgeous flowers, framed by luxuriant foliage, provide ideal screening for unsightly corners, fences, garages. Climbing Roses are calculated to "highlight" your garden in a spectacular way, are easily protected during the Winter. Simply lay the canes on the ground, then cover them with straw or burlap bags to keep the ground frozen and the sun and wind from the canes.

### OUTSTANDING CLIMBING ROSES \$2.25

**Dr. J. H. Nicholas.** Everblooming type Rose.

**Pink Midas.**

**Deep Gold.**

**Blaze.** Scarlet intermittent flowers during season.

**Also Other Types of Climbing Roses**  
95c. each

### We sell only choice No. 1 FIELD-GROWN ROSES

## Floribunda Type Roses

Put up in fertile pots ready for planting.

Each \$1.75

**Lavender Pinocchio**

**Holiday**

**Chatter**

**Rochester**

**Pink Bountiful**

### TEROGEN

The use of **TeroGen** is especially recommended for the Fall treatment of Roses that have been weakened by mildew, black spot and other fungus diseases, or that have been infested with insects.

1 lb.....\$0.75  
2 lbs.....1.25  
5 lbs.....2.75  
10 lbs.....4.75



FLORIBUNDA ROSES



# LIST OF HIGH QUALITY VEGETABLE SEEDS



DETROIT DARK RED

## ARTICHOKE

*One ounce will produce 500 plants*

Sow seeds early in Spring, and when large enough transplant into rows 4 feet apart and 2 feet apart in the rows.

**Large Green Globe.** This is a very delicious vegetable. Some prefer it cooked like Asparagus—that is, take the flower head before it begins to open and cook much the same as Asparagus. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.40.

## ASPARAGUS ROOTS

*100 Roots for a Row of 150 Feet*

**Mary Washington** (Green Type). 2-yr.-old. 25 for \$1.00, 50 for \$1.75, 100 for \$3.00, 1000 for \$17.00.

## ASPARAGUS SEED

*One ounce will produce about 200 plants*

**Mary Washington.** This is the finest of the Washington strains to be had. It produces large thick shoots of attractive appearance maturing slightly earlier than the original strain. The tips are compact and of rich purplish green color. The entire stalk from base to tip is remarkably tender. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Market Gardeners and Dealers**  
ask for prices

## BEETS

*One ounce will sow 50 feet of drill*

For early use, sow as soon as the ground can be worked in a rich, light soil, which has been well manured, in drills 1 foot apart and 2 inches deep. For main crops, sow in May, and for Winter use, in June. When the plants are well forward, thin out to about 2 inches.

**Prices of Beet seed are as follows unless otherwise noted:** pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Crosby's Egyptian.** An improved strain of Egyptian Beet. Rich dark red, crisp and tender. An excellent early sort.

**Detroit Dark Red.** Color dark blood-red; medium size; very tender; good for early or late sowing.

**Early Wonder.** A popular early variety. Very uniform, nearly globe-shaped, skin dark red, flesh deep blood-red. Recommended for both early and late planting.

### Directions for Freezing Beets

Scald the Beets in boiling water. Those  $1\frac{1}{2}$  in. diameter for  $2\frac{1}{2}$  minutes, those more than 2 in. cook until tender. Cool them and remove the skins. Cook mature Beets until tender, then peel and slice them. Freeze the Beets and store them.

**ASK FOR VARIETIES NOT LISTED  
IN CATALOGUE**

## BEET—MANGEL WURZEL

The following varieties are grown for feeding cattle and stock. Sow in April or May, 6 to 8 lbs. per acre, in rows 2 ft. apart, thin out to 6 inches in the row.

**Giant Half Sugar Rose Top.** Roots long oval, tapered; grayish white with rose-colored shoulder; flesh white, rich in sugar. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.

**Golden Tankard.** Heavy cropper; easily harvested. Roots large, thick oval, nearly cylindrical; light gray above, deep orange below ground; flesh yellow with white zones. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 35c.

**Mammoth Long Red.** This is an enormously productive variety, yielding from 50 to 70 tons to the acre, a single root often weighing 20 to 40 lbs. The best long red Mangel and very valuable for stock feeding. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 35c.

### Our Policy

For many years we have offered our customers only tested, quality merchandise. All merchandise listed in this catalogue is the best that can be obtained at any price. We invite comparison.





BEANS, PENCIL POD BLACK WAX

## BEANS—POLE, or RUNNING

They succeed best in sandy loam, in hills, from 3 to 4 feet apart; from 5 to 6 seeds are planted in each hill, about 2 inches deep.

**Prices of Pole Beans are as follows:** pkt. 10c.,  $\frac{1}{2}$  lb. 30c., 1 lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.00.

**Early Golden Cluster Pole Wax.** (75 days.) The pods are from 6 to 8 in. long and are borne in clusters of from three to six. The pods are of a beautiful golden color. Can be used either shelled or as a string Bean.

**Horticultural Pole.** (70 days.) Pods 5 to 6 in. long, straight, flat, stringless and of good quality; color, dark green splashed with bright red.

**Kentucky Wonder Wax.** (68 days.) Pods waxy yellow, flat, meaty and is the most popular wax-podded variety.

**Lazy Wife.** Splendid long, thick green pods, with white Beans. A late variety.

**Old Homestead or Kentucky Wonder.** (68 days.) Very early and productive, long green pods, hanging in clusters, are stringless and tender.

## FIELD BEANS—Dwarf or Bush

### GREEN PODDED

Ask for Prices

**Large White Marrow.** Ripe in 100 days. High quality large Bean for use dry. Plant large with tendency to form runners; very vigorous and productive. Pods  $5\frac{1}{2}$  in. long. Dry Beans medium large, white.

**Robust Pea Bean.** An improved strain of Marrow Pea Beans which resists the Mosaic disease that is often very destructive. The beans are small, round and pure white, and of good quality.

**Red Kidney.** Large red, kidney shaped beans. Yields heavily on strong land. Considered one of the most profitable beans to raise for market.

**White Kidney.** Ripe in 100 days. High quality large bean for use dry. Plant large with tendency to form runners; hardy, heavily productive. Pods 6 to  $6\frac{1}{2}$  in. long. Beans long kidney shape; white.

**Yellow Eye.** Medium size white beans with yellow spot or "eye." It produces large crops and matures early and is less subject to the diseases which often attack other kinds.

# BEANS Yellow-Pod Bush Varieties

Plant seed when all danger of frost is past and the soil is quite warm, in rows 18 to 30 inches apart for hand cultivation, or  $2\frac{1}{2}$  to 3 feet apart for field culture. Space the seed 2 to 3 inches apart in the row and cover with 1 to 2 inches of soil. Give frequent and shallow cultivation until blossoms appear. A packet will plant about 25 feet of row; 1 lb., 100 feet; 60 lbs. to an acre. You can make your Bean crop most effective if you plant seed at intervals of two weeks until about 10 weeks before the first frost. In that way you can have plants in full production constantly, providing a steady supply for both table and canning purposes. Remember, Beans have the best flavor when served or canned soon after picking.

**Prices of Wax Beans unless otherwise noted are as follows:**  
pkt. 10c.,  $\frac{1}{2}$  lb. 30c., lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.00.

**Pencil Pod Black Wax.** (55 days.) Considered without doubt the best round pod Wax Bean both for home use and market. The pods are 6 to 7 in. long, straight, and as round as a pencil. Pods are clear yellow, very brittle, stringless and of finest quality. Matures early and the plant is vigorous and productive. Seed is black.

**Improved Golden Wax (Top Notch).** (50 days.) A flat-podded sort, having become everywhere popular because of its showy pods.

**Round Pod Kidney or "Brittle Wax."** (58 days.) Grows quickly and bears a prolific crop of attractive, round, waxy light yellow pods, 6 to 7 in. long. They are thick, fleshy, very meaty, always brittle, tender and never show even the slightest sign of any strings. Unsurpassed in quality for home use and canning. White seeds with dark markings around eye.

**Davis Stringless Wax.** (52 days.) A distinct improvement over Davis White Wax. Plant slightly taller and more vigorous, and heavily productive. Pods clear light yellow, 6- $6\frac{1}{4}$  in. long,  $\frac{3}{8}$ - $\frac{1}{2}$  in. wide, thick-oval, moderately fleshy, slightly fibrous but tender and strictly stringless. Hardier and less susceptible to fungus disease than Davis White Wax.

# BEANS GREEN POD VARIETIES

**Prices of Green Beans unless otherwise noted are as follows:**  
pkt. 10c.,  $\frac{1}{2}$  lb. 30c., lb. 50c., 5 lbs. \$2.25, 10 lbs. \$4.00.

**TOPCROP (New).** All-America Gold Medal Winner for 1950. Topcrop, in our opinion, is by far the finest of the new round green Beans. Developed by W. J. Zaumeyer of the USDA, it is a natural for the market gardener and has already won enthusiastic approval from large scale growers who have had samples for trial. It is very early and exceptionally vigorous and prolific. Tests indicate that it can be planted early and will ripen almost as soon as Bountiful—and nearly the whole crop is ready at one time. The straight plump beans are of good length ( $5\frac{1}{2}$  to 6 in.), medium green, stringless and of fine quality, and the yields are often astonishing. Resistant to common bean mosaic, Topcrop has vigorous vines with a concentrated set of pods well off the ground. See Back Cover Page for illustration. Pkt. 10c.,  $\frac{1}{2}$  lb. 40c., 1 lb. 75c., 5 lbs. \$3.50, 10 lbs. \$6.00.

**Burpee's Stringless Green-Pod.** (53 days.) The medium green, meaty, fine-quality, round, pointed pods are 6 in. long. Popular for home-gardens and canning.

**Bountiful Stringless.** (53 days.) The most popular green-podded Bean. The pods are long, flat, slightly curved and absolutely stringless. An early variety it matures in about 53 days.

**Dwarf Horticultural.** (54 days.) A grand shell Bean, and very productive; pods flat. **Lb. 70c.**

**Earliest Red Valentine.** (52 days.) Pods round, thick, very tender.

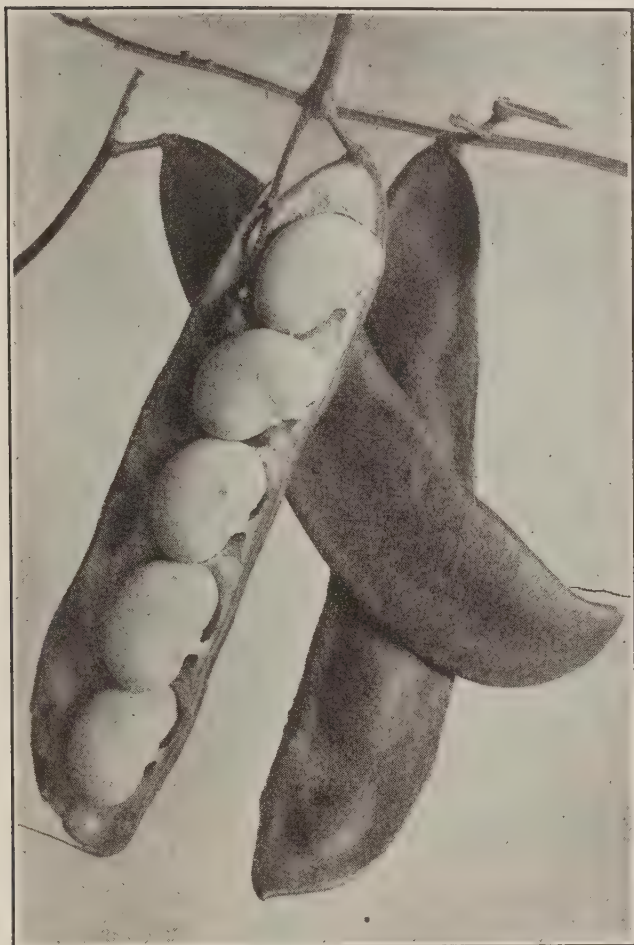
**Giant Stringless Green Pod.** (54 days.) The best long, rounded-podded strain, tender and prolific.

**Tendergreen.** (54 days.) A newer green podded Bean of unusual merit. The pods are long, light green in color, round and absolutely stringless. It yields a heavy crop and matures in 6 weeks.

**Broad Windsor Long Pod.** (Also known as Fava Bean and as Horse Bean; not a Kidney Bean) Late. Valuable for green shell use. Plant very large and erect, strictly bush. Pods glossy green; 5 in. long,  $1\frac{1}{4}$  in. broad, stout; 3 seeded; smooth. Green shell, beans large, broad, flat, light green. Dry seeds very large, circular flat, pale reddish brown with black eye.



# BEANS—BUSH LIMAS



BEAN, FORDHOOK BUSH LIMA

The Bush Lima is more easily grown than the tall, and is earlier and more economical of space but the Pole Limas yield better. Lima Beans require even more heat than other Beans. They should not be planted until the ground is thoroughly warmed. Bush Limas should be sown on good garden soil in  $2\frac{1}{2}$  to 3 feet rows, 3 to 6 inches apart, eye down, cover 1 inch. 1 lb. will plant 75 feet, 1 bu. to the acre (60 lbs.). Do not brush against Bean foliage when wet.

**Prices on Limas unless otherwise noted, are as follows:**  
Pkt. 15c.,  $\frac{1}{2}$  lb. 35c., lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.00

**Fordhook Bush.** 70 days. Outstanding Bush Lima for home or market producing a very heavy crop with large, fat pods in clusters of from 5 to 8, and contains 3 to 5 thick, meaty, plump beans of excellent flavor. The sturdy, vigorous plants grow 24 to 30 in. high, spread out nearly 2 ft. and stand up well against wind and rain. They begin to bear early and continue to produce for a long time. Because of its earliness, the large size of the Bean and long bearing season this strain is most popular and it is especially appreciated in sections where the Summers are comparatively short. Fordhook always outsells other Bush Limas.

**Burpee's Improved Bush.** 75 days. This strain of Burpee's Bush Lima has beans of larger size and deeper green color than the old strain and the vines are more true to the bush, forms with fewer runners. The beans are both larger and thicker than the old form and the pods are also larger. Pods  $4\frac{1}{2}$  to 5 in. long,  $1\frac{1}{8}$  in. wide,  $\frac{3}{8}$  in. thick. Usually contain four large, thick beans.

**Fordhook U. S. 242 Bush Lima.** All American Bronze Medal Winner. A new, heavy yielding strain of Fordhook. The result of careful breeding work by the Department of Agriculture. Stands hot, dry weather better than Fordhook. Pods uniform and filled with three or four plump, thick beans of finest quality.

## POLE LIMAS

Pole Limas are more tender than the Bush Limas. Set 6-foot poles 4 feet each way and drop four to six beans downward around each pole, thinning to three plants when up.

*One pound will plant 75 to 100 hills*

Pkt. 15c.,  $\frac{1}{2}$  lb. 35c., lb. 60c., 5 lbs. \$2.75, 10 lbs. \$5.00

**King of the Garden.** 88 days. The best-known and most popular. Its flat, curved pods are 6 to 7 in. long and contain 3 to 5 large, tender, flat Beans. Very productive.

**Seibert's Early Lima.** 80 days. Early and dependably productive for home, market garden and for canning. Pods 5 in. long,  $1\frac{1}{8}$  in. wide,  $\frac{3}{8}$  in. thick. Seeds large, thick; white.

## BROCCOLI

**Italian Green Calabrese.** A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower heads. When this central head is removed, the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 in. of the stem. Both stems and heads are cooked and served like Cauliflower. For July crop, sow the seed in a hotbed in March or April, and for Fall crop, in the open ground in May. Ready for use in about 90 days. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.

## EDIBLE SOY BEANS

**Bansel.** This variety ripens early and is the best for northern sections; it is adapted to a wide range of growing conditions. The seed is small and round and of yellow color. The plants grow about 2 feet high. Pkt. 10c.,  $\frac{1}{2}$  lb. 25c., lb. 45c., 2 lbs. 85c.

Plant Snap Beans after all danger of frost is past. They were formerly called string beans, but that is in the past, as all are stringless. You can have a large yield from a small plot. The green varieties are becoming more popular.

## BRUSSELS SPROUTS

*One packet will produce about 75 plants*

**Long Island Improved.** An American variety grown for American conditions. This strain will produce dense clusters of sprouts of good size and exceptional quality. Sure to mature before frost. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.



BROCCOLI, ITALIAN GREEN

## CHICORY

**Witloof or French Endive.** The stalks when blanched are used for salad. Pkt. 10c. oz. 75c.

## COLLARDS

**Georgia Southern or Creole.** Non-heading form of the Cabbage family very generally grown for greens in home and market gardens in the South. Plant 2 to 3 ft. tall, erect, spreading and with numerous large leaves; forms at the top a loose cluster or head of tender leaves. Pkts. 10c., oz. 25c.

## CORN SALAD, or FETTICUS

*One ounce will sow 150 feet of drill*

**Large-seeded.** The most popular variety grown. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.50

## CRESS, or PEPPERGRASS

*One ounce will sow 150 feet of drill*

**Upland, or Broadleaved Winter.** A garden substitute for Watercress; crisp, tender and perfectly hardy. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.

**True Watercress.** Water Cress requires a stream of running water, ditch or pond, in which it will grow without care, except at first keeping weeds from interfering with it. Pkt. 10c., oz. \$1.00.



# CABBAGE

One ounce will produce about 3,000 plants, 4 ozs. will produce enough for an acre.

Our strains are the very best to be had, selected from specimen heads in well rogued fields. Sow seeds of the early varieties in February in hotbeds and transplant the latter part of April or early in May to open ground, or an early sowing in open ground can be made as soon

as weather will permit. Set the plants in rows 3 feet apart and 12 to 18 inches apart in the row. The second early varieties sow in April and transplant in May; late varieties, sow in May and transplant in July, setting plants in rows 3 feet apart and 2 feet in rows. Never plant Cabbage in the same location two years in succession.

**GOLDEN ACRE RESISTANT (Resistant Detroit).** Similar to Golden Acre except slightly larger plant growth and not quite as uniform, as is typical of yellows-resistant strains. Has earliness and is desirable for planting on yellows infested soils.

*Plant*—Medium small, suitable for close planting, medium light green.

*Heads*—6 to 6½ in., round, solid, interior white and of good quality. Pkt. 10c., oz. 60c., ¼ lb. \$2.00

**MARION MARKET.** (75 days.) A selection from Copenhagen Market; quite resistant to yellows and retaining the desirable characteristics of its parent. Should be used where yellows or wilt prevents normal crops of Copenhagen. Typically not as uniform as regular Copenhagen.

*Plant*—Medium-sized, short stem, medium green, somewhat erect growth habit.

*Heads*—7 in. in diameter, globular in shape, rather prominent, fair in uniformity and of good quality. Pkt. 10c., oz. 60c., ¼ lb. \$1.50

**WISCONSIN HOLLANDER No. 8.** (100 days.) A popular late variety for yellows infested soil. It is of the Danish Ball Head type and yields fine heads that are excellent for storage, kraut making, or shipping.

*Plant*—Medium large, robust, hardy, medium dark green color, medium length stem.

*Heads*—7 to 8 in. in diameter, globular, firm to hard; quality is very good. Pkt. 10c., oz. 70c., ¼ lb. \$2.00



CABBAGE, MARION MARKET

## STANDARD VARIETIES

### EARLY CABBAGE

**Copenhagen Market.** (68 days.) Uniform round heads, 6½ in. in diameter, weighing 4 lbs., with crisp leaves. Good for early kraut. A short-stemmed variety with few outer leaves. Pkt. 10c., oz. 45c., ¼ lb. \$1.25.

**Early Jersey Wakefield.** (62 days.) Our seed produces pointed heads 5 in. in diameter, about 7 in. long, weighing 2½ lbs. The most popular early variety. Pkt. 10c., oz. 45c., ¼ lb. \$1.25.

**Golden Acre.** (62 days.) The earliest round-headed Cabbage. Similar to Copenhagen Market, only earlier and a little smaller. Heads 6 in. in diameter; weight 3 lbs. Pkt. 10c., oz. 45c., ¼ lb. \$1.25.

### INTERMEDIATE VARIETIES

**Early Dwarf Flat Dutch.** (78 days.) A very early and fine-quality flat Cabbage with heads 9 in. in diameter and weighing 6½ lbs. Very good for kraut. Pkt. 10c., oz. 45c., ¼ lb. \$1.25.

**Glory of Enkhuizen.** (73 to 80 days.) Particularly valuable for kraut. Heads very large; globular; 8-9 in. in diameter; firm; commonly weigh 8 to 10 lbs. Pkt. 10c., oz. 45c., ¼ lb. \$1.50.

**Morse's Large Red (New).** A Ferry-Morse development. A main crop variety producing large, solid head of attractive, deep red color. Plants are rather large, with broad outer leaves. Heads large, often 8 to 10 in. in diameter, thick, flat, rounded on top, firm and well covered. Color deep red without purplish tinge. Quality excellent. Suited for home and market use, where its slow bolting habit is of considerable value. Pkt. 10c., oz. 50c., ¼ lb. \$1.80.

### AUTUMN AND WINTER CABBAGE

**Danish Ball Head Short Stem.** (83 days.) Danish Ball Head is the best late Cabbage offered to the trade. The plants are medium sized with short stem. Heads large; flattened globe shape; become 8-9 in. across, 6-7 in. deep and weigh 7 to 9 lbs. Pkt. 10c., oz. 45c., ¼ lb. \$1.35.

**Hollander.** (100 days.) A high class Cabbage of the Ball Head type. Plants medium small, allowing closer planting than any other late Cabbage; short stemmed; erect and compact; extremely hardy. Pkt. 10c., oz. 50c., ¼ lb. \$1.75.

**Mammoth Rock Red.** (90 days.) The best red Cabbage; splendid Winter keeper. Heads round to slightly flattened globe shape. Pkt. 10c., oz. 50c., ¼ lb. \$1.50.



CABBAGE, PENN STATE BALL HEAD

**Penn State Ball Head.** (105 days.) (Original.) Penn State Ball Head shows records of over 20 tons per acre. This extra tonnage, combined with fewer cracked heads and better storage quality placed Penn State Ball Head in a class of its own. Pkt. 10c., oz. 45c., ¼ lb. \$1.35, ½ lb. \$2.60.

**Premium Late Flat Dutch.** (105 days.) The best very large, late Cabbage; popular for home and market garden and for Fall shipment; a good keeper. Heads very large and flat, but deep; become 12-14 in. across, 7 in. deep and weigh 12 to 14 lbs. or more; firm and of good quality. Pkt. 10c., oz. 45c., ¼ lb. \$1.25.

**Savoy, Chieftan.** (88 days.) The well-formed, firm heads are medium in size. It is earlier than most other varieties of Savoy Cabbage. If you are fond of the crispness and mild flavor of this type of Cabbage, you will find Chieftan outstanding in uniformity and quality. Pkt. 10c., oz. 45c.

### CHINESE CABBAGE

**Michihili Improved.** Early and very sure heading. Head becomes 18-20 in. tall, 3½-4 in. thick, tapered near tip, very firm, well blanched, crisp, tender and sweet. Superior to Chinese Improved or Pe Tsai. Pkt. 10c., oz. 50c., ¼ lb. \$1.35, lb. \$5.00.



# CARROTS

Sow seed early in the Spring in rows 12 to 30 inches apart. Cover seed with  $\frac{1}{2}$  to inch of soil and press gently. Thin plants to stand 2 to 3 inches apart. For a continuous supply sowings should be made every two weeks up to the early part of July. For nice, tender Carrots in the Fall or for Winter storing, the later sowings are advisable. Use a packet of seed to 25 feet of row,  $\frac{1}{4}$  oz. to 100 feet, 3 to 4 lbs. to the acre.

**Early Nantes (Coreless).** (70 days.) For quality, flavor, attractive appearance, it is one of the best; 6 in. long and perfectly cylindrical, being from 1 to  $1\frac{1}{2}$  in. thick, the whole length ending abruptly in a small, thin tail. There is no "core," the beautifully pure, orange-scarlet flesh extends right through; valuable for home use. Its color, form and size make it a ready seller on the market. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Guerande, or Oxheart.** Stump-rooted especially adapted to shallow soil. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Danvers Half-Long.** (Special.) Well-known favorite Carrot on account of its great productiveness and adaptability to all soils and sections. Commercial crops have yielded 25 to 30 tons per acre. Roots are half-long, almost cylindrical, and under ordinary culture grow 6 to 7 in. long and  $1\frac{3}{4}$  in. thick at shoulder, tapering gradually towards the stump end. If grown in deeply prepared soil, roots will measure 7 to  $7\frac{1}{2}$  in. long and 2 to  $2\frac{1}{2}$  in. at the shoulder. Skin is rich, deep orange-red; flesh is bright orange, fine-grained, sweet and tender. Much more easily harvested than the long types, and an excellent variety for home and market, shipping or storing for Winter use. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

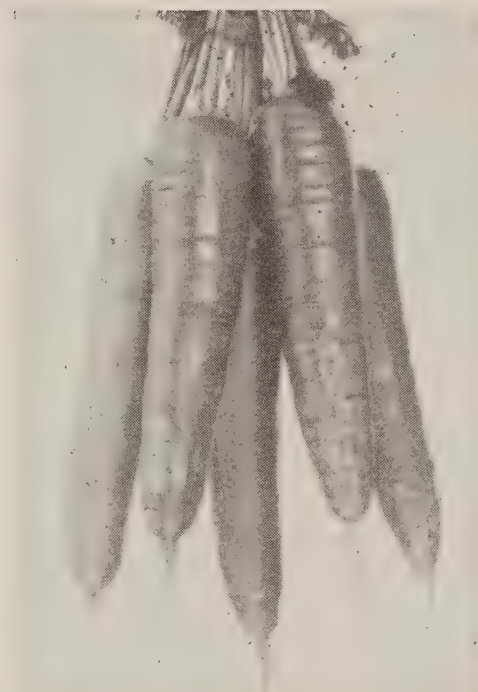
**Supreme Half Long.** Resembles a small refined Danvers with short tops. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Imperator.** (77 days.) A little longer than Danvers, but having the high table quality of the short rooted varieties. Color, deep solid orange all through. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Morse's New Bunching.** (72 days.) Gold Medal. Cylindrical, half-long Carrot, of ideal size and shape for bunching. Color is a fine deep orange throughout with a small, indistinct core. Tops are short, rather bushy and strong but not coarse at the neck. Quality is fine and flesh is tender and sweet. This was developed as a bunching Carrot for market and long distance shipping and makes a splendid appearance. It is equally as desirable in the home garden, just the right size and shape that appeals. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Red Cored Chantenay.** (70 days.) The color is a rich orange, decidedly deeper than the ordinary Chantenay. The cores are small. The roots grow about  $5\frac{1}{2}$  to 6 in. long, and 2 to  $2\frac{1}{2}$  in. in diameter, having a very small rat tail, and run very uniform in size and appearance. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.

**Long Orange Improved.** A heavy cropper. Roots scarlet-orange; 10-12 in. long, 2 in. thick at shoulder; tapered, pointed. Pkt. 10c., oz. 40c.,  $\frac{1}{4}$  lb. 90c.



MORSE'S BUNCHING CARROTS

# CELERY

*One ounce will produce 3,000 plants*

Sow seed early in April, in an open border, in good, rich soil, in drills 8 inches apart. Early in July transplant to trenches 3 feet apart and 6 inches apart in rows. The beds should be kept well weeded and an occasional soaking with water in dry weather will do the plants good.

**Cornell No. 6.** Very much like No. 19 but the stalks are a little heavier and not as sharply ribbed. Makes a somewhat heavier growth than Cornell No. 19 and shows a little fuller heart. This is a specially good Celery for salad as the stalks are very thick, almost round and absolutely stringless and of the very finest quality. Pkt. 20c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.25.

**Cornell No. 19.** Developed and introduced by the New York State College of Agriculture. A cross between the green Celery Utah and the Golden Self Blanching. Early, easy blanching. Plants 24 in. tall. Edible stem  $10\frac{1}{2}$  in. Rounded thick stems; fairly good heart. Quality good. Resistant to fusarium yellows. Pkt. 20c.,  $\frac{1}{4}$  oz. 75c., oz. \$2.25.

**Emperor or Fordhook.** (130 days.) A fine keeping Celery for Fall and Winter use. Of compact growth averaging 18 in. in height, with unusually thick white stalks and a pale yellow heart. Very crisp and brittle, never showing any signs of strings. Famous for its delightful nutty flavor. Pkt. 10c., oz. 85c.,  $\frac{1}{4}$  lb. \$2.75.

**Dwarf Golden Self Blanching (French Grown).** Rich golden yellow, crisp, tender and of fine flavor. Pkt. 10c., oz. 95c.

**Giant Pascal (Green).** Matures late. Desirable for home and market garden. Plant large and compact. Leaf stalks long, thick and solid; of unsurpassed rich, nutty flavor. Pkt. 10c., oz. 85c.,  $\frac{1}{4}$  lb. \$2.75.

**Golden Plume or Wonderful.** This variety of Celery resembles Golden Self Blanching but is much larger and ranker in growth, blanches more quickly, matures earlier and is of the finest table quality. Pkt. 10c., oz. 80c.,  $\frac{1}{4}$  lb. \$3.00.



CELERY, FORDHOOK

## CAULIFLOWER

For early crop sow in hot-bed in January or February and transplant as soon as frost danger is past. For late crop, sow in May or June. Set plants 18 inches apart and in rows 2 feet apart. To control root-rot and yellows after plants are up, treat soil with solution of bichloride of mercury, 8 ounces to 50 gallons of water.

*One packet will produce about 100 plants*

**Danish Dry Weather.** Stands poor conditions better than any other strain. The heads are large, very solid, pure white and of good flavor. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

**Early Snowball.** This is an extra fancy Danish grown seed producing an early maturing strain of the short-leaved type. Adapted for forcing or for the garden. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

**Snowdrift.** A new, early variety which makes a larger head than Snowball. The head has unusual depth, is of fine texture, and blanches very easily. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.25, oz. \$3.00.

**Super Snowball.** The finest, earliest Cauliflower grown. Given good soil, this strain will bear and be finished before any other variety is ready to use. The heads are large and leaves curl over the heads for sun protection. Pkt. 25c.,  $\frac{1}{4}$  oz. \$1.00, oz. \$3.00.

## CELERIC

### Or TURNIP-ROOTED CELERY

Grown mostly for its bulbous roots, which may be stored like Beets for Winter use.

**Giant Prague.** The finest variety. Very large roots which are almost round. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.



# CORN, Sweet

## Hardy—Northern Grown Stocks—High Germination

Sweet or Sugar Corn may be planted when danger of frost is over. Plant 1 inch deep in rows 3 to 4 feet apart and the seeds placed about 8 inches apart in the row, or plant in hills 3 to 4 feet each way with 3 or 4 grains in a hill. Make plantings every two weeks until the middle of July so as to have Corn for use during the entire season. The earliest varieties are ready for the table in 8 to 9 weeks from date of sowing and the late varieties from 10 to 12 weeks. 12 to 16 lbs. to the acre.

### Price on Hybrid Corn as follows:

**Pkt. 10c., ½ lb. 35c., lb. 65c., 5 lbs. \$3.00,  
10 lbs. \$5.00**

### Ask for quantity prices

### YELLOW HYBRIDS

**Alphagold Bantam.** (59 days.) If you want to lead your neighborhood with the *earliest* Sweet Corn, plant Alphagold Bantam. The rapid growth of this first, early yellow hybrid will amaze you. And it's safe to plant it a full week ahead of ordinary Sweet Corn. Yields well, ears are about 7 inches long, and tips are well filled. Be the first to invite your friends in for a real hybrid Sweet Corn treat.

**Golden Cross Bantam.** (88 days.) Highly resistant to Stewart's disease and very prolific. Stalks sturdy with exceptionally broad, dark green leaves. Ears 10 to 14 rowed, 7½ to 8 in. long. Slightly lighter yellow than Golden Bantam. Kernels medium in width and depth. Excellent for market gardeners.

**Marcross C13X6.** (72 days.) This is one of the earliest hybrids recommended, being a cross between a Golden Early Market inbred and a Whipple's Early inbred. The inbreds and crosses were made originally by the Connecticut Agricultural Experiment Station and the hybrid is recommended by them. Matures from 72 to 76 days from date of planting. The ears are 7½ to 8 in. long.

**Lincoln.** (85 days.) 6 ft. stalks, ears 7½ in. long, 12 to 16 rows, yellow kernels.

**Priscilla.** (74 days.) Two days later than Spangcross but with the superior eating quality of Golden Bantam.

**Seneca Golden.** (72 days.) Stalks 5½ feet tall and produce two marketable ears on practically every stalk. Ears nearly as large as Golden Cross and well filled clear to the tip. Kernels rich golden yellow and if harvested when ready are of excellent quality. Should not be used in the South where bacterial wilt is serious.

**Carmel Cross.** (75 days.) A second early hybrid developed by the Connecticut Experiment Station for market and home garden. Stalk vigorous, 5½ ft. Ears 7 inches in length, slightly tapering. 12 to 14 rows, medium yellow color, quality good.

**Corn Earworm Control.** Make one application of 1% Rotenone when the ears are forming and before silks are out. Make second when silks start to appear, a third when silks begin to wilt, and a fourth two or three days after the third. If a trace of earworm infestation is observed by August 1st a rather severe infestation is indicated a month later.

**Corn Borer Control.** First treatment is made when eggs begin to hatch. Avoid use of DDT when Corn is to be fed as green fodder. Apply dusts at rate of 40 lbs. per acre and sprays at 75 to 100 gallons per acre per application.

### Price on open Pollinated Corn as follows:

**Pkt. 10c., ½ lb. 25c., lb. 40c., 5 lbs. \$1.75**

### OPEN POLLINATED

**Harris Extra Early Bantam.** (74-75 days.) An earlier strain of Golden Bantam with 8-10 rows of kernels. The ear is about 7 in. long, very uniform, similar to Golden Bantam in size, shape and quality. It yields very heavily, beating most varieties to market.

**Black Mexican.** (88 days.) Plants 6½ ft. tall. Ears 8 to 9 in. long; 8 rowed; very uniform. Kernels clear white at table stage; tender and of a rich sweet flavor; become uniform blue-black when ripe.

**Golden Bantam.** (80 days.) Plants dwarf; 4½ to 5 ft. tall; very productive, commonly bearing 2 ears. Ears 6 to 7 in. long; strictly 8 rowed; very uniform. Kernels rich golden yellow, very tender, sweet and of splendid rich flavor.

**Golden Early Market.** (72 days.) Earliest large, true Sweet Corn of golden color. The ear is larger than Golden Sunshine and 10 days earlier than Golden Bantam. It is the outstanding early yellow Sweet Corn of highest quality.

**Golden or Bantam Evergreen.** (89 days.) A cross between Golden Bantam and Stowell's Evergreen. Ears 7 to 8 in. long, with 12 to 14 rows of large yellow kernels which are of fine quality. Matures later than Whipple's Yellow.

**Golden Sunshine.** (76 days.) An earlier Golden Bantam. A yellow early, high quality Sweet Corn ready for market ten days earlier than Golden Bantam. The ears are 6½ in. long. 12 rows of broad yellow sweet grains. It is especially desirable for its extreme earliness.

**Whipple's Early Yellow.** (84 days.) Deservedly popular as a large eared second early sort, for home and market garden. Stalks sturdy and erect; ears 12 to 14 rowed, strong husks, well filled at tips. Kernels golden yellow, fairly deep, sweet, and of good flavor.

**Improved Golden Bantam.** Ears 6 to 7 in. 10 to 14 rows. Larger ears than Golden Bantam. Tender, sweet and good flavored.

### ARASAN



For Corn, Peanuts and certain vegetables. A new treatment for a wide variety of vegetable seeds. This organic seed disinfectant and protectant provides a means of combating the ever present problem of securing full stands of vigorous, healthy normal seedlings. Prevents seed decay caused by fungi and bacteria. ¾ oz. 25c., 8 ozs. 80c., 4 lbs. \$5.16.

### FINEST WHITE SWEET CORN

**Pkt. 10c., ½ lb. 25c., lb. 40c., 5 lbs. \$1.75**

**Country Gentlemen.** (93 days.) Valuable for home, market garden and especially for canning. Plants 6½ to 7 ft. tall, commonly with 2 or more ears. Ears 7½ to 9 in. long, 2 in. thick; set solid with irregular rows of kernels. These are white; shoe-peg form. very deep, sweet and tender.

**Early Evergreen.** (90 days.) Very valuable canning and market sort about 1 week earlier than Stowell's Evergreen. Plants 6½ to 7 ft. tall. Ears about 7½ in. long, 2½ in. thick with 14 to 20 rows of very deep, white, sweet tender kernels.

**Gill's Early White Market.** (73 days.) The earliest Sweet Corn. By planting this variety, you can enjoy good fresh Sweet Corn a week to ten days earlier than you otherwise would. Many ears measure 8 in. long and have 12 to 14 rows of pure white kernels. The quality of the Corn is excellent for so early a variety.

**Stowell's Evergreen.** (95 days.) Standard late variety very valuable for canning and much grown for market. Plants 7 to 7½ ft. tall. Ears 8 in. long; 2¼ to 2½ in. thick; 14 to 20 rowed. Kernels very deep, white, sweet and tender and remain in table condition a long time.

### POP CORN, SHELLLED

**¼ lb. 10c., ½ lb. 20c., lb. 35c.**

**Golden Queen.** (115 days.) A productive variety with quite large, golden yellow kernels which pop into large, pure white, fluffy flakes. It is the standard variety for popping. Stalk 6½ to 7 ft. high. Ears 5 to 7 in. long.

**Japanese Hulless.** Plants 5 ft. tall. The ears are short and thick. The kernels are small, nearly white color and much the shape of White Rice. They pop readily and the popped Corn is very tender and of the finest quality. Very early variety. Large and snow-white when popped.

**South American Yellow.** Known under various names, Dynamite, Yellow Giant, etc. It is the most profitable variety to grow, the ears are large, 7 to 9 in. long, of golden yellow color, producing more bushels per acre. Our seed is of South American origin. Matures early in Pennsylvania.

**Protect Your Corn Plantings  
with STANLEY'S CROW  
REPELLENT**



# CUCUMBER

Do not plant Cucumbers before danger of frost has passed, as the plants are very tender and the least frost will damage them or kill them. Plant in hills or rows 4 feet apart, 10 to 15 seeds to each hill; make soil very rich. For pickles, plant from June 1st to middle of July. One ounce will plant 50 hills, 2 lbs. will plant 1 acre.

Cucumbers are divided into two classes. The "Black Spine" and the "White Spine." The spines being the bristles showing on the fruit when it is young. The black spined kinds turn yellow when ripe. The white spines turn white.



CUCUMBER, MARKETER

**Marketer** (All-America Selection). Rich dark green fruits, uniformly cylindrical in shape, slightly tapered ends and about 8 in. in length. Flesh thick, crisp, white, and of fine flavor. Vines are vigorous growing and bear unfailing big crops for a long season. This new variety is attracting the attention of commercial growers of quality Cucumbers and promises to be a most popular variety. Pkt. 10c., oz. 30c., ¼ lb. \$1.00.

**A. & C.** (68 days). Has proven to be about the finest slicing variety ever introduced. A Cucumber that has no weak points. The long, slender fruits are very dark green. Grows 8 to 9 in. long and 2 in. thick. A. & C. is one of the most popular Cucumbers grown today. Pkt. 10c., oz. 35c., ¼ lb. 85c.

**National Pickling.** (56 days.) Developed by the Michigan Agricultural College under the supervision of the National Pickle Packers Association. Vines rather small, fruits straight, symmetrical, full at the ends. Length 6 in., thickness 2½ in. Black spined, recommended for production of high grade small pickles. A good yielder. Pkt. 10c., oz. 25c., ¼ lb. 75c.

**West India Gherkin.** (60 days.) Used for small pickles. Fruit pale green, oval, uniform, and covered with prickly spines. Measures 2 by 1 in. and weighs 3 to 4 ozs. Pkt. 10c., oz. 25c., ¼ lb. 75c.

**Boston Pickling.** (57 days.) Pkt. 10c., oz. 25c., ¼ lb. 75c.

**Chicago Pickling.** (56 days.) A slender, early pickling variety producing uniform, medium green, tapered fruit 9 by 3 in. and weighing 1¾ lbs. A standard variety. Pkt. 10c., oz. 25c., ¼ lb. 75c.

**Davis Perfect.** (65 days.) Fine for forcing or for outdoors. The fruit is long and straight, and valuable for slicing. Pkt. 10c., oz. 25c., ¼ lb. 85c.

**Early Cluster.** (55 days.) A fine pickling variety that is also good for slicing. Fruits 5½ by 2¾ in., pale green. Prolific. Pkt. 10c., oz. 25c., ¼ lb. 85c.

**Early Fortune.** (63 days.) Used extensively for slicing and shipping. Fruit is medium green and tapering, 8 in. long and 2½ in. in diameter, crisp, and weighs 1¾ lbs. Pkt. 10c., oz. 25c., ¼ lb. 75c.

**Improved Long Green.** (70 days.) The standard late variety for the home-garden. Provides tasty, tender, crisp slices for salads. Fruit deep green and tapered, 12 by 3 in., and weighs 3 to 3½ lbs. Pkt. 10c., oz. 25c., ¼ lb. 85c.

**Improved White Spine.** (60 days.) An old standby, and will retain its medium green color for a long time. Fruit 8 to 9 in. long and 2½ in. in diameter. Pkt. 10c., oz. 25c., ¼ lb. 75c.

**Longfellow.** (72 days.) An excellent, long, dark green Cucumber growing about 12 in. long, of fine quality. A fine shipper. Pkt. 10c., oz. 35c., ¼ lb. \$1.00.

**Straight 8.** (68 days.) A new, uniformly cylindrical variety, 8-10 in. long. Fruit medium green, free from white stripes. Excellent keeping quality. Pkt. 10c., oz. 35c., ¼ lb. 90c.

## EGGPLANT

1 oz. will produce about 1000 plants

The seed should be sown in hotbeds the second week in March, care being taken to protect the young plants from cold at night. Plant out about June 1st, about 2½ feet apart. Sufficient plants may be raised for a small garden by sowing a few seeds in common flower pots or boxes in the house.

**Early Black Beauty.** (82 days.) Earlier than any other sort. Fruit jet black, holding its black color during its maturing season. Very productive with uniform size fruit. Pkt. 15c., oz. \$1.00, ¼ lb. \$3.50.

**New Hampshire Hybrid.** (70 days.) Selection from Black Beauty X Early Dwarf Purple. Upright, uniform medium growth and fruits; very early and productive. Pkt. 10c., ½ oz. 55c., oz. \$1.00.

**Fort Myers Market.** (85 days.) Vigorous and very productive high bush variety, holding fruits well off the ground. Fruits ideal size for shipment, 9 to 10 in. long, 5½ to 6½ in. diameter, nearly egg shaped, broadest near blossom end. Outstanding for deep purplish black color and high gloss. Pkt. 15c., ½ oz. 55c., oz. \$1.00.

## DILL HERB

(70 days)

Used extensively for culinary use and for putting with Cucumber when pickling, producing the famous Dill pickles. Pkt. 10c., oz. 25c.

## DANDELION

1 oz. will sow 150-ft. row

**Common.** Pkt. 10c., oz. 25c., ¼ lb. 75c., lb. \$2.50.

**Improved Thick-Leaved.** (50 days.) A very early and healthful Spring salad. Sow early in the Spring, in drills, 18 in. apart and thin out to 6 in. in the drills. Pkt. 10c., oz. \$1.50, ¼ lb. \$4.50, lb. \$15.00



EGGPLANT, NEW HAMPSHIRE HYBRID

## COCS CUKE AND MELON DUST

A combined insecticide and fungicide, containing calcium arsenate and copper for the control of insects and diseases. 4-lb. bag \$1.00.



# LETTUCE

To grow head Lettuce early, sow the seed in February or March in boxes, flats or in hotbeds in rows. When an inch high, transplant to coldframes. From there set out in the garden as soon as the soil is warm, placing the plants 5 to 7 inches apart in rows while the rows should be 12 to 18 inches apart. Where there is no hotbed, sow seed outside when ground is warm and transplant. For looseleaf or curly-leaved sorts, sow the seed either broadcast or in rows; make sowings every couple of weeks for Lettuce all Summer, and cut as it comes. By sowing in rows the plants can be cultivated. Sow seed the last of August and in September to be transplanted to the coldframe in October. One ounce will sow 300 feet of row, 4 to 5 lbs. for an acre.

## TWO BRONZE MEDAL WINNERS— ALL AMERICA SELECTIONS

**PREMIER GREAT LAKES.** 7 to 10 days earlier than Standard Great Lakes. Bred for reduction in ribbiness and uniformity of heading. Pkt. 25c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25, lb. \$7.50. A Penn. State Introduction.

**PENNLAKE.** Cross between Imperial No. 847 and Great Lakes. It is distinct for its uniformity, dark green color and lack of ribbiness. It matures about the same time as regular Great Lakes. Pkt. 25c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25, lb. \$7.50.



LETTUCE, IMPERIAL 456

**Great Lakes (New).** (83 days.) A heading variety of the Imperial type, developed by the U. S. Department of Agriculture and Michigan Experiment Station. Leaves large and well-folded; ribs heavy. Considerable resistance to tip-burn and heads under adverse conditions. For local markets. Pkt. 15c.,  $\frac{1}{2}$  oz. 40c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Imperial 456.** (81 days.) A new Cornell selection from hybrids made by the U. S. Dept. of Agriculture. Imperial 456 shows more resistance to tip-burn than does Imperial 44 and makes firmer, fuller heads but the ribs are more prominent. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Imperial No. 847.** (84 days.) (BS.) A strain recently developed and found to be adapted to New York and New England conditions. Resembles the other "Iceberg" types and stands heat very well. Pkt. 10c.,  $\frac{1}{2}$  oz. 25c., oz. 40c.,  $\frac{1}{4}$  lb. \$1.50.

**New York No. 12.** (78 days.) An early variety which does well, and is an even and well-bred selection. It is a trifle lighter in color than other strains of New York, but is popular with shippers. Pkt. 10c.,  $\frac{1}{2}$  oz. 20c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25.

### HEADING VARIETIES

Prices on Lettuce seed unless otherwise noted as follows: pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. 90c.

**Big Boston Improved.** (76 days.) Very popular for outside as well as for forcing. Color, light green, slightly tinged reddish brown.

**Crisp as Ice or Bronze Head.** (76 days.) Particularly valuable for home and market gardens. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.25, lb. \$4.00.

**Iceberg (California Simpson).** (82 days.) A splendid crisp-head sort.

**May King.** (66 days.) Large heads with broad green outer leaves tinged brown. Solid.

**White Boston.** (76 days.) The best strain of the butter head type.

**White Paris Self Folding.** (77 days.) 8-9 in. tall which is whitish-green inside, with heavy, white brittle mid-ribs.

### LOOSE LEAF VARIETIES

Prices on Loose Leaf varieties: Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 75c.

**Black Seeded Simpson.** (45 days.) Early. Dependable in all parts of America and widely grown in home and market gardens. Plant large, attractive, compact; with broad, frilled light green leaves that are of fine crisp texture and splendid quality.

**Early Curled Simpson.** (45 days.) Early. Plant large, compact, bright light lustrous green; leaves broad, frilled, firm, crisp, sweet and of good quality.

**Grand Rapids.** (42 days.) Very early. Hardy, disease resistant; the most widely used and best adapted variety for greenhouse forcing. Plants, large, upright, compact and handsome; bright solid light green; leaves large, broad, margin much waved and frilled; very tender and sweet when grown under glass.

**Prize Head.** (48 days.) Very early, quick growing and one of the most popular for home gardens.

### KOHL-RABI

One ounce will sow 300 feet of row

Prices on Kohl-Rabi: pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.25

**Early Purple Vienna.** Similar to Early White Vienna, except in color.

**Early White Vienna.** Very early and should be used before being fully grown. Flesh white with greenish white skin.

### LEEK

One ounce will sow 200 feet of drill

The Leek is very hardy and easily cultivated. Sow as early in the Spring as practicable, in drills 1 inch deep and 1 foot apart. When 6 to 8 inches high, transplant in rows, as deep as possible, that the neck, being covered, may be blanched.

**Large American Flag.** The most desirable for market or family use. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

### ENDIVE

One ounce of seed for 100 feet of drill

One of our best salad plants. For a first crop sow about the middle of April; for succession small sowings may be made every month till August, when the main planting is made. Set out the plants 1 foot apart in rows and when well grown blanch by folding the leaves.

**Broad-leaved Batavian.** (90 days.) (Escarole.) Full hearted. One of the best varieties for salads. Leaves broad, bright, dark green. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 65c.

**Deep Heart Fringed.** (90 days.) Is an All-America Silver Medal winner. Entirely new type of Endive, between Full Heart Batavian and Green Curled, but more upright in growth than either, and leaves broader than Green Curled. Outer leaves turn upward, making plants less susceptible to bottom rots than most Endives. Extra deep, well filled hearts blanch to clear creamy yellow. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 60c.

**Giant Green Curled or Ruffick.** (95 days.) This is a hardy growing variety, with deep green leaves. When tied up these plants of red footstalks blanch white very quickly. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 65c.

### KALE, or BORECOLE

One ounce will sow 150 feet of drill

Sow about the middle of April in prepared beds, covering thinly and evenly; plant out in June following the directions recommended for cultivating Cabbage.

**Siberian Dwarf Curled.** (65 days.) This variety grows a little larger and coarser than the preceding. The leaves are not so deeply curled and are of a bluish green color. Very hardy. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

**Green Curled Scotch.** (55 days.) A rather dwarf variety, growing about 18 in. in height, but spreading under good cultivation to 3 ft. in diameter. Leaves of a bright green, beautifully curled. Pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00.



## MUSKMELONS

*An ounce will plant 60 hills*

After all danger of frost is over and the ground has become warm and dry, plant in hills 4 to 6 feet apart each way, 6 to 12 seeds to a hill. When up and all danger of insects has passed, pull out all but three plants. Cultivate until the vines cover the ground.

### COCS CUKE AND MELON DUST

A combined insecticide and fungicide, containing calcium arsenate and copper for the control of insects and diseases. 4-lb. bag \$1.00, lb. can 40c.

**The prices on Muskmelon seed are as follows:** pkt. 10c., oz. 35c.,  $\frac{1}{4}$  lb. \$1.00

**Bender's Surprise.** (94 days.) Fruit oblong, 8 by 6 in., with ends rounded, and weighing 7 lbs. Skin hard, greenish yellow, distinctly ribbed, with coarse netting; delicious flavor. Can be shipped.

**Emerald Gem.** (85 days.) A good early variety for home and market gardens. Fruit rounded, 4 $\frac{1}{2}$  by 5 $\frac{1}{2}$  in., flattened at ends, distinctly ribbed and slightly netted; small seed-cavity; very sweet; weight 2 lbs.

**Extra Early Osage.** (95 days.) Standard variety of splendid quality for nearby markets and home gardens. Fruits 6 to 7 in. long; almost round; with shallow furrows and sparse shallow netting. Flesh very thick; salmon-orange; fine grained, sweet and aromatic.

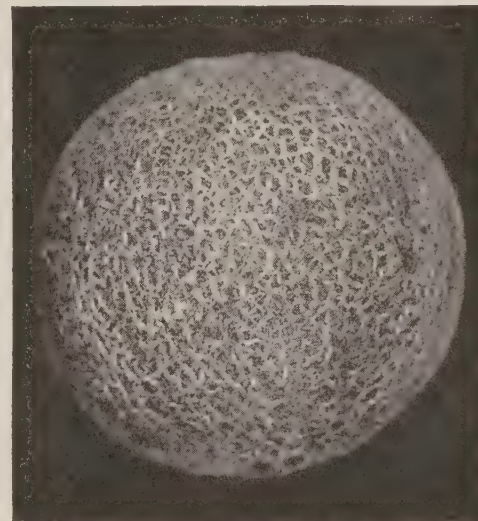
**Hale's Best.** (80 days.) Fruit oval, 6 $\frac{1}{2}$  by 5 in., indistinctly ribbed but heavily netted, weighing 3 to 4 lbs. Flesh thick, sweet, and of fine flavor. Planted extensively for early shipping.

**Hearts of Gold or Hoodoo.** (94 days.) Fine for market gardens and shipping. Fruit round, 6 by 6 in., weighing 2 lbs.; distinctly ribbed, and covered with fine gray netting. Flesh thick, deep, sweet, and juicy.

**Honey Rock.** (85 days.) A recent novelty becoming very popular. Very sweet, thick orange flesh. Oval fruits of medium size. Weight 4 lbs.

**Imperial Melon.** (All American Selection.) One of the so-called white melons but exterior color is amber instead of white. Oblong without ribs; lightly and rather coarsely netted: About 5 $\frac{1}{2}$  in. diam. and 6 in. long. Cavity small, flesh bright orange, soft and melting, with high flavor like Honey Dew, but earlier.

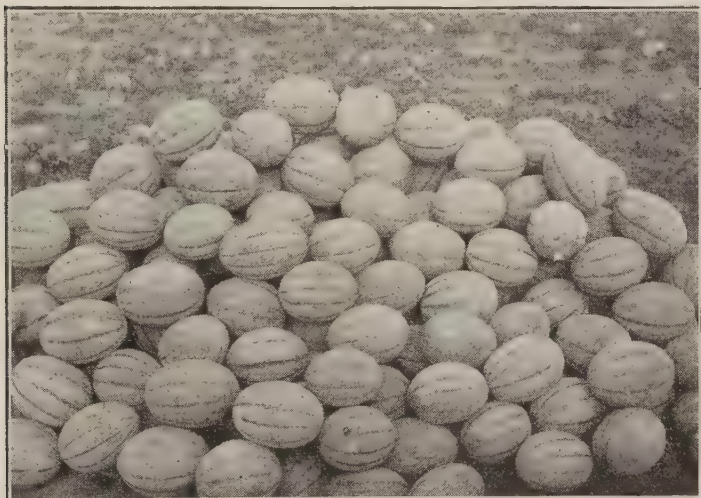
**Irondequoit or Tip Top.** (90 days.) A fine yellow fleshed melon. Vines are hardy and very productive. Melons are large, excellent shaped, distinctively ribbed and netted. The flesh is solid, very thick, with small seed cavity. Rich salmon yellow, sweet and of a most delicious flavor.



MUSKMELON, HALE'S BEST

**Lake Champlain.** (68 days.) Combines earliness, quality and productiveness. This is the earliest Muskmelon of good quality. The flesh is deep, very sweet and melting, of golden yellow color.

**Pride of Wisconsin.** (90 days.) Orange flesh, solid and thick, with small seed cavity, very sweet and of fine flavor. A good variety for home gardens and short distance shipping.



MUSKMELONS, IRONDEQUOIT

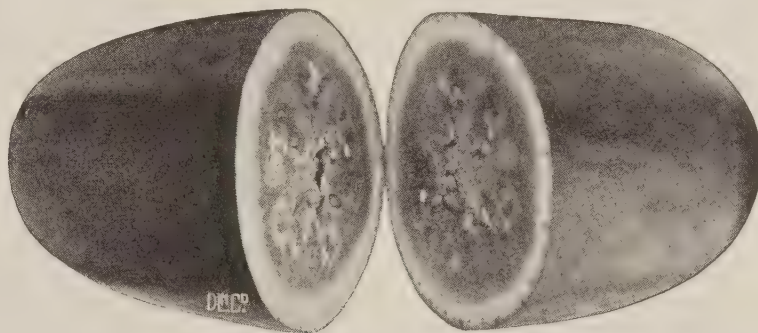
## MUSTARD

*One ounce will sow 75 feet of drill*

Sow thickly during early Spring in shallow drills, 12 inches apart. For Fall use, sow in September.

**Southern Giant Curled.** Most popular sort for greens. Leaves long and wide, light green, heavily crumpled and curled at edge. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c.

**USE  
Hotkaps  
for  
Success with  
Melons**



TOM WATSON WATERMELON

## WATERMELON

*One ounce will plant 25 hills*

Cultivate same as Muskmelon, except that they should be planted 8 to 10 feet apart, according to variety.

**Price of Watermelon Seeds is as follows:** pkts. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 70c.

**Cole's Early.** (75 days.) One of the earliest grown; the flesh is of a beautiful bright red color, crisp and delicious.

**Dixie Queen.** (85 days.) Fruit nearly round, light green with dark green stripes. Bright red flesh, crisp and white, small white seeds. Excellent for home garden. Weight about 30 lbs.

**Fordhook Early.** (75 days.) Slightly oval, dark green mottled with darker stripes. The flesh is bright and red and of fine quality.

**Harris' Earliest.** (75 to 80 days.) Fruits medium size; broad oval; dark green stripes, of good quality; seeds blackish.

**Ice Box.** (78 days.) Nearly round, 6 in. through, dark skin with faint striping. very thin shell and ripe before you realize it; sugary red flesh, black seed.

**Kleckley Sweets.** (85 days.) Sweet and fine flavored; dark green skin rind; flesh scarlet, solid and firm.

**Stone Mountain.** (80 days.) Fine for the home-garden and a good market variety. Average weight, 40 to 50 pounds. Round, slightly elongated; skin light green; flesh crimson and sweet. A very popular variety.

**Tom Watson.** (95 days.) Produces melons 16 to 22 in. long and 8 to 10 in. in diameter. The dark green rind is thin but tough; stands shipping well.

## CITRON

**Citron (Red Seeded).** (95 days.) Fruits globe-shaped; 7 in. in diameter; medium green; smooth, very hard; flesh white. Pkt. 10c., oz. 35c.

## SEEDS OF CULINARY, FRAGRANT AND MEDICINAL HERBS

	Pkt.	Oz.
<b>Anise.</b> Aromatic seeds.....	\$0.10	\$0.50
<b>Basil, Sweet.</b> .....	.10	.60
<b>Borage.</b> For flavoring.....	.10	.60
<b>Caraway.</b> For flavoring.....	.10	.60
<b>Chervil</b> .....	.10	.75
<b>Chives.</b> Fine for flavoring.....	.10	1.25
<b>Coriander.</b> Aromatic.....	.10	.75
<b>Cress, Curled, or Peppergrass.</b>	.10	.35
<b>Dill.</b> Used in vinegar.....	.10	.25
<b>Fennel, Sweet.</b> .....	.10	1.50
<b>Lavender.</b> Fragrant.....	.10	1.50
<b>Marjoram, Sweet.</b> .....	.10	1.00
<b>Rosemary.</b> .....	.10	1.50
<b>Sage.</b> Culinary value.....	.10	1.75
<b>Savory, Summer.</b> .....	.10	1.00
<b>Thyme.</b> For seasoning.....	.10	1.25
<b>Watercress.</b> .....	.10	1.00



# ONIONS

For Large  
Commercial Growers  
and for Home  
Gardens

This very important vegetable crop requires a rich soil. Seed sowing should be done just as early in the Spring as possible. Sow the seed thinly in drills at least a foot apart, covering to a depth of not more than  $\frac{1}{2}$  inch. Tamp down the soil firmly so that it will lie in close contact with seed and thus insure better germination. Frequent cultivation is very necessary as well as occasional applications of fertilizer. One ounce of seed will sow 100 feet of drill, from 4 to 5 lbs. to an acre. Onions, according to variety, take from 90 to 120 days from seed to crop.

**Southport Yellow Globe or Brigham Yellow Globe.** (120 days.) Valuable standard yellow variety, particularly for its uniform, attractive shape and keeping qualities. A hardy, highly productive sort that makes a fine main crop shipping type. *Bulbs*—Medium sized, perfect globe shaped, excellent maturing type; flesh, tendency to be slightly yellowish, solid, fine grained, fairly strong but pleasant flavor; skin thick, and yellow in color. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Danver's Yellow Globe.** (110 days.) A splendid Yellow Globe type of a standard sort which matures earlier than many of the earlier yellow varieties. Valuable as a storage Onion. It also holds an important place in the home garden. *Bulbs*—Medium sized, round shaped, uniform in development, small neck; flesh, white with yellowish tint, solid, crisp, fine textured, fairly mild; skin, thick yellow in color. Pkt. 10c., oz. 50c.,  $\frac{1}{4}$  lb. \$1.75.

**Sweet Spanish (Utah) Strain.** (110 days.) The Onions are of almost perfect globe shape, slightly flattened at the ends, and of a clear bright yellow. The flesh is of very mild, pleasant flavor. Pkt. 10c., oz. 65c.,  $\frac{1}{4}$  lb. \$2.00.

**Prizetaker.** (105 days.) Large yellow Onion of very handsome globe shape and mild flavor. Does not keep as well as Danvers. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Southport Red Globe.** (110 days.) Large, perfectly round, deep red Onion, keeps well and is the best red variety. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$1.75.

**Large Red Wethersfield.** (100 days.) Very large, deep red, flat. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$1.75.

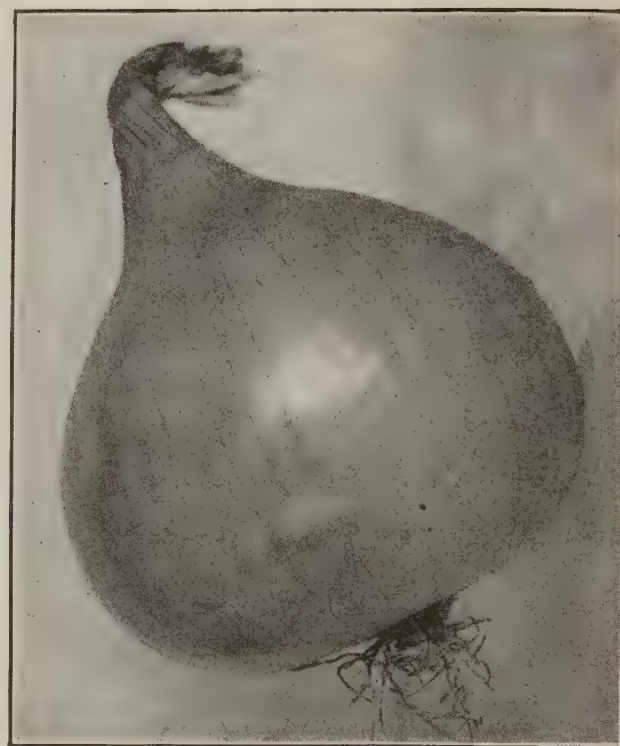
**Southport White Globe.** (110 days.) Largest and finest white Onion. Does not keep as long as the Yellow variety; excellent for Fall markets. This variety is also a splendid bunching Onion. Pkt. 10c., oz. 65c.,  $\frac{1}{4}$  lb. \$2.00.

**White Portugal or Silver Skin.** (105 days.) (For Bunching.) Flat, white Onion of mild flavor and early. Excellent for pickling and early green Onions. Pkt. 10c., oz. 65c.,  $\frac{1}{4}$  lb. \$2.00.

**Early Yellow Globe.** (105 days.) The best early Onion. Nearly globe shape, deep yellow in color and a good tight skin. Pkt. 15c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

## TEXAS GROWN ONION PLANTS

Texas unirrigated field grown Onion Plants are hardy and mature quicker, 100 plants producing one bushel of marketable Onions. We offer Crystal Wax Bermuda, Yellow Bermuda, and Sweet Spanish. Bunch of about 100 plants 25c., about 1,000 plants \$2.00. **Add for postage**—100 plants 10c., 1,000 plants 25c.



DANVERS YELLOW GLOBE

## GARLIC BULBS

As an appetizing dash for flavoring for soups and stews, many people use small quantities of this pear-shaped white bulb. In large amounts it has a strong odor and flavor. To grow Garlic in the garden, the several sections or "cloves" of each bulb should be separated and set in rows 10 or 12 inches apart and 4 inches apart in the row. They should be taken up in the Fall and stored in a cool, dry place until used. Oz. 10c., lb. 50c.

## Plant ONION SETS Early

Onion Sets are available and should be planted during the month of April. During the cool Spring weather they will make their best growth and early planting insures a crop which may be used throughout the Summer months.



## ONION SETS

Write for Prices  
(32 lbs. to bushel)

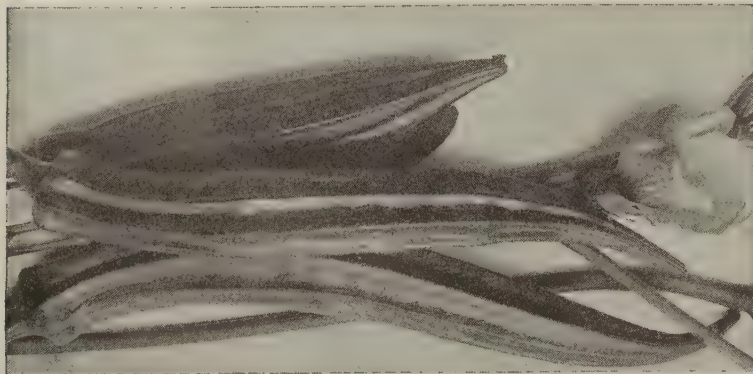
Our Onion Sets are produced in the best Set growing sections from our own pure-bred seed. Careful cleaning, sizing, and packaging at time of shipment, make for arrival in customers' hands in prime condition.

**Ebenezer and White.** Lb. 25c. Postage extra.

## OKRA

The pods are valuable for cutting in soups, stews, catsup and other relishes. Also used as a vegetable when pods are young. A packet will sow 15 feet of row, one ounce 50 feet. Thin plants to stand 18 inches apart in the row.

**Perkins Mammoth Pod.** (56 days.) Plants dwarf, prolific; produces long, slender, deep green pods. A fine market sort. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 35c.



OKRA



# PEAS

*One quart will plant about 100 feet of drill*

Peas do best in a light, rich soil; for private use sow in double rows 6 to 8 inches apart, the rows 2 to 4 feet apart, the tall ones requiring brush. Commence sowing the extra early varieties as soon as the ground can be worked in March; continue for a succession every two weeks until June. A good crop can be secured by sowing the extra early sorts in August for Fall use. The wrinkled varieties are not as hardy as the small round sorts, and if planted early should have a dry soil, or they are liable to rot in the ground; they are, however, the sweetest and best flavored.

**Prices of Peas unless otherwise noted are as follows:**  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 25c., lb. 40c., 5 lbs. \$1.75, 10 lbs. \$3.30.

## EXTRA EARLY PEAS

**Alaska.** One of the very earliest blue Peas; quite productive. Lb. 30c.

## EARLY WRINKLED SEEDED PEAS

**Little Marvel.** (63 days.) Universally popular. The 18 in. vines bear a heavy crop of dark green, nearly round, square-ended pods, 3 in. long, which are tightly packed with 7 or 8 large, deep green Peas of the most delicious flavor. Heavy yield, high quality, attractive appearance and good carrying ability all combine to make Little Marvel a most desirable early wrinkled-seeded Pea for home, market and freezing.

**Laxtonian.** (65 days.) 18 inches. This is one of the very best dwarf wrinkled Peas. The vines are productive and vigorous, producing pods about 4 inches long and filled with delicious tender Peas.

**Nott's Excelsior.** (62 days.) Early, dwarf, prolific. Vines 16 to 18 in. tall and extremely prolific. The plump straight pods are 3 in. long, blunt-ended and thickly filled with 5 to 7 large round Peas of a deliciously sweet and delicate flavor. One of the most popular early, dwarf Peas with home gardeners for quality and productiveness.



PEAS, LITTLE MARVEL

**Blue Bantam.** (64 days.) Our largest seller. There is no better, sweeter, more delicious Pea for home garden and market than Blue Bantam—large, dark green pods, fine quality, heavy yield, reasonable earliness, and long bearing season. Plants are 15 to 18 in. tall, with coarse, dark green foliage, often branched. Pods are 4 in. long, very dark green, pointed and rather slender, containing 7 to 9 large, sweet, deep bluish green Peas of a distinctly superior flavor. Blue Bantam is to Peas what Golden Bantam is to Corn. It is early enough to make a crop in practically all parts of the country if planted in proper season. You will be delighted with its quality and productiveness.



PEAS, LAXTON'S PROGRESS

**Hundredfold.** (60 days.) 24 inches. Similar to Pioneer in growth, but with somewhat darker foliage and pods 4 to 4½ inches long, well-filled, with very dark green Peas. Extremely productive. Highly recommended for small home gardens.



PEAS, BLUE BANTAM

**Laxton's Progress.** (62 days.) 18 inches. Introduced from England as an Improved Laxtonian and considered by most experts as the finest early dwarf wrinkled Pea. Most productive, averaging 9 to 10 dark green Peas of luscious flavor in every pod.

**Improved Thomas Laxton.** (57 days.) We consider it one of the very best extra-early large-podded Peas. It is ready to pick in 57 days, a week to ten days after our Improved Alaska. It is of excellent quality, richly flavored, and the pods are packed solid with large Peas, usually eight in a pod. It yields very heavy, and in every way is extremely desirable for home or market use. Do not confuse our Improved Thomas Laxton with the regular Thomas Laxton generally offered, for our Improved strain is far superior in size, quality, and yield.

**World's Record.** (58 days.) 30 inches. An enormously popular, large-podded, extra-early wrinkled Pea, maturing several days earlier than the well-known Gradus. Pods are uniformly large, measuring 4½ to 5 inches, nearly round and packed with handsome, wrinkled Peas of the finest flavor.

**Gradus or Prosperity.** (58 days.) A popular second early, large podded variety. Vines medium green, stocky; pods single, broad, plump, pointed, containing 8 to 10 large, sweet, delicious Peas. Seed wrinkled.

Because of the rapidly increasing interest in frozen pack vegetables, we are listing varieties of Peas which at the present time seem to be favored for quick freezing:

<b>Gradus</b>	<b>Thomas Laxton</b>
<b>Hundredfold</b>	<b>Morse Market</b>
<b>Laxtonian</b>	<b>Telephone</b> (dark podded)
<b>Little Marvel</b>	<b>Improved Stratagem</b>



# PEAS

Prices of Peas unless otherwise noted are as follows:  $\frac{1}{4}$  lb. 15c.,  $\frac{1}{2}$  lb. 25c.  
lb. 40c., 5 lbs. \$1.75, 10 lbs. \$3.30.

## MEDIUM CROP PEAS

**Lincoln.** (70 days.) The Sweetest Midseason Pea.  $2\frac{1}{2}$  ft. A favorite of ours for many years and still one of the best main crop varieties, especially for the home garden. The handsome dark green pods are slender, 3 to  $3\frac{1}{2}$  in. long, and closely packed with 8 to 9 Peas of medium size and superb quality. They mature several days before Alderman and are produced in pairs near the top of the vines so that they can be easily picked.

In our opinion this is one of the most delicious Peas grown and we always plant an extra lot for our own use. If you have not grown Lincoln, try some in your garden this year. They are wonderful for both canning and freezing.

**Dwarf Telephone.** (70 to 75 days.) Very satisfactory for home, market garden. Vines 24 in. tall, thrifty; deep green. Pods deep green;  $4\frac{1}{2}$  in. long,  $\frac{3}{4}$  in. wide; plump, tapered at end. Seeds large, wrinkled, green.

**Improved Stratagem.** (77 days.) Wilt resistant. Splendid home and market garden variety. Vines 30 in. tall, dark green. Pods dark green;  $4\frac{1}{2}$  in. long;  $\frac{7}{8}$  in. wide; plump; straight; tapered at end. Seeds large, squarish, wrinkled, green; interior green.

## TALL MAIN-CROP WRINKLED

**Alderman.** (75 days.) 5 ft. Mid-season. Comes into bearing a little later than Thomas Laxton. Larger and more prolific. Excellent quality, squarish, wrinkled, green, interior green.

**Champion of England.** (80 days.) Late. Wilt-resistant. Medium green vines 50 in. high and 3 in. pods, slightly curved, blunt, light green, containing 7 or 8 tender Peas.

**Improved Telephone.** (76 days.) Late. Medium green vine, 60 to 70 in. high, with  $5\frac{1}{2}$  in. pods, darkish green, pointed, slightly curved, and thick walled, containing 8 to 10 tender sweet Peas of best quality. Fine for home and market gardens and shipping, wrinkled; cream and green, interior yellow.

## SUGAR PEAS (Edible Pods)

When the Peas start to develop in the pod or have reached about half their full size the pods are gathered, broken and cooked like String Beans.

**Mammoth Melting Sugar.** (75 days.) Well-known, productive, tall growing variety. The fleshy, tender, 3 to  $3\frac{1}{2}$  in. pods are very light green, broad and blunt-ended, sweet and delicious. White seeded. Vines grow 4 to 5 ft. tall.

**Dwarf Gray Sugar.** (65 days.) Pods  $2\frac{1}{2}$  to 3 in. long, light green, curved; sweet and tender. Plants grow 2 to  $2\frac{1}{2}$  ft. high; very prolific. The earliest and dwarfest growing, so that it takes up little garden space.

# PARSLEY

Parsley seed is even slower than Parsnip in germinating. It grows best in rich, mellow soil and should be sown as early as possible in Spring in rows 1 to 2 feet apart with a covering of not more than  $\frac{1}{2}$  inch of soil firmly pressed down. When the plants are well up, thin them 8 to 12 inches apart in the row.

**Paramount** (Silver Medal). (85 days.) A fine Parsley of the triple-curved type, of unusually dark green color. It is remarkably uniform, has a good stout stem for bunching and will not tip-burn or burn brown at the edges with age or in cool Fall weather. The plants grow about 12 in. high when thinned and have a spread of about 20 in. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Moss Curled** (Triple Curled). (80 days.) A compact plant with dark bright green leaves, exceedingly finely cut and curled, giving the appearance of a dense piece of moss. Very desirable for garnishing, and for decorative purposes. Pkt. 10c.,  $\frac{1}{4}$  lb. 50c.

**Hamburg** (Parsnip-Rooted). (90 days.) This variety is grown for its long, tapering roots, which are used for flavoring soups, stews, etc. The leaves are not curled. Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 50c.

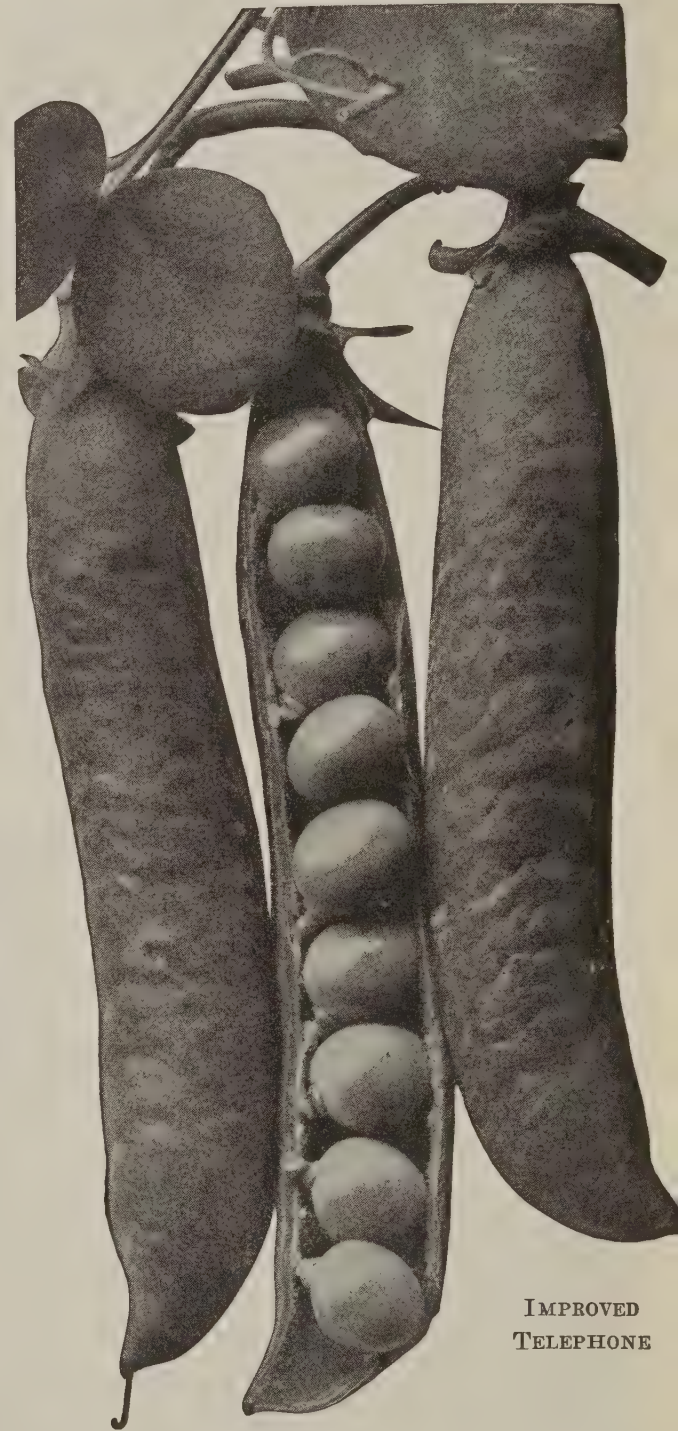
# PUMPKINS

Plant in May or June, in hills 8 by 8 feet apart, or drop 5 or 6 seeds in every fourth hill in the cornfield. Thin to the best two plants in a hill. Use 1 oz. for 25 hills, 3 to 4 lbs. are needed to plant 1 acre.

**Small Sugar or Pie.** (108 days.) This variety is small, round, somewhat flattened, 8 to 10 in. in diameter, slightly ribbed, of a deep orange color, and a good keeper. The flesh is a rich deep yellow, fine grained and very sweet. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.

**Orange Winter Luxury.** (100 days.) This strain has deep orange skin and orange yellow flesh. Very fine quality. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.

**Connecticut Field.** (118 days.) Very productive, large, orange colored field Pumpkin; a little deeper than round and slightly flattened. Extensively grown between Corn for stock. Flesh is rich orange-yellow, fine grained, and highly flavored. Pkt. 10c., oz. 25c.,  $\frac{1}{4}$  lb. 70c.



IMPROVED  
TELEPHONE

# PARSNIPS

Sow seed in early Spring in drills 15 inches apart and  $\frac{1}{2}$  inch deep in well dug, rich soil. Keep crust from forming and cultivate often. Thin to stand 4 inches apart. Roots improve by being left in ground until next Spring. One ounce of seed to 200 feet of drill, 5 to 6 lbs. to an acre.

**Hollow Crown.** (Thick Shoulder.) Roots 12 to 15 in. long, 3 in. thick at shoulder; tapered; smooth and straight and of fine quality. We have a fine strain of this popular variety. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 60c.

**Harris Model.** A very white smooth Parsnip. Hollow-crowned but well filled out at sides. Oz. 30c.,  $\frac{1}{4}$  lb. 60c.



# PEPPERS

Peppers revel in rich soil and an abundance of moisture. Start seedlings in hotbed about March 1 and transplant to garden about middle of May, 15 to 18 inches apart in rows 18 to 30 inches apart. Sow 1 ounce to produce 1000 plants, 8 ounces an acre; 11,000 to 12,000 plants an acre

**Bull Nose, Sweet.** (62 days.) Fruit blunt 4-lobed, deep green, changing to bright red, 3 in. long and  $2\frac{3}{4}$  in. in diameter. For home and market. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**California Wonder.** (75 days.) Fruit mostly 4-lobed,  $4\frac{1}{2}$  in. long and  $3\frac{3}{4}$  in. in diameter, sweet, deep green changing to bright crimson. The outstanding medium-late variety for market garden and ship-pink. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**Giant Crimson.** (Sweet.) (85 days.) Popular home and market sort. Plants large, thrifty and fairly productive. Fruits very large; commonly 5 to 6 in. long and 4 in. through; slightly tapered; deep green, becoming deep crimson; mild and sweet throughout. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**Harris' Early Giant.** (Sweet.) (63 days.) The best very early sweet Pepper for home and market gardens, particularly in the North. Plants vigorous, erect, extremely prolific. Fruits large,  $4\frac{1}{2}$  in. long,  $3\frac{1}{2}$  in. through, very slightly tapered; deep green becoming brilliant red; sweet throughout. Pkt. 10c., oz. 70c.,  $\frac{1}{4}$  lb. \$2.50.

**Red Chili.** (Hot.) (85 days.) Fruits  $1\frac{1}{4}$  in. long. Cone-shaped bright red and very hot. Pkt. 10c., oz. 80c.,  $\frac{1}{4}$  lb. \$2.50.

**Long Red Cayenne.** (70 days.) Fruit tapering and often twisted, 5 in. long and  $\frac{3}{4}$  in. in diameter, very pungent, deep green changing to brilliant red. A favorite "hot" variety for canning, pickling and drying. Pkt. 10c., oz. 80c.,  $\frac{1}{4}$  lb. \$2.50.

**Pimiento.** (73 days.) Smooth fruit, tapered to a point,  $3\frac{1}{2}$  in. long,  $2\frac{1}{2}$  in. in diameter, dark green changing to bright crimson. Flesh exceptionally thick, sweet, and mild. Very desirable for canning, also for home and market gardens. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

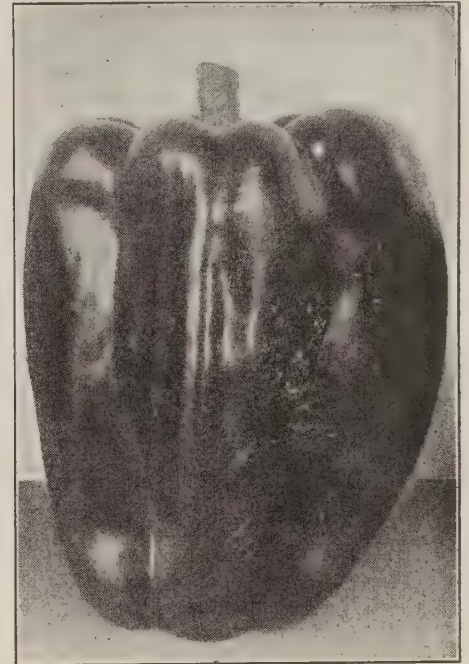
**Red Cherry.** (82 days.) Round, pungent and hot, smooth, solid fruit 1 by 1 in., deep green changing to deep scarlet. Popular for use in pickles. Pkt. 10c., oz. 60c.,  $\frac{1}{4}$  lb. \$2.00.

**Oakview Wonder.** (63 days.) Developed from California Wonder, is at least a week earlier. It has slightly smaller but blockier and more symmetrical fruits. The bush of Oakview Wonder is more compact and not so tall as the parent strain, the crown is usually heavier, and later settings are more abundant. Oakview Wonder has the thick walls and high quality of California Wonder, and its exceptional uniformity, earliness, and high yield have already made it a favorite among market growers and truckers. Pkt. 10c.,  $\frac{1}{2}$  oz. 50c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**Ruby King.** (69 days.) Fruit usually 3-lobed, 5 in. long, diameter 3 in., deep green becoming ruby-red when ripe. A fine sweet Pepper often producing 10 to 15 fruits per plant. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**Large Sweet Spanish.** (80 days.) Popular for home and market garden. Plants large, upright, heavily productive. Fruits 6 to 7 in. long,  $2\frac{1}{4}$  in. through; very slightly tapered; dark green becoming rich red; sweet throughout. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.

**World Beater.** (75 days.) Smooth fruit 5 in. long and  $3\frac{1}{2}$  in. in diameter, 4-lobed, glossy green becoming bright red at maturity; bright, thick, sweet flesh. An excellent large sort for all gardens and shipping. Pkt. 10c., oz. 90c.,  $\frac{1}{4}$  lb. \$3.00.



PEPPER, CALIFORNIA WONDER

## SALSIFY, or OYSTER PLANT

*One ounce will sow 50 feet of drill*

Sow early in Spring, in drills 15 inches apart and 1 inch deep, thinning out the young plants to 6 inches. The roots are used same as Carrots. Salsify is very hardy and can be left in the ground until Spring.

**Mammoth Sandwich Island.** Resembles Parsnips; very mild. Pkt. 10c., oz. 55c.,  $\frac{1}{4}$  lb. \$2.00.

# RADISHES

Radishes must grow quickly to be good, especially the small early sorts. The soil should therefore be thoroughly prepared. Start to sow right after frost is gone, at intervals of 10 days or so to insure a constant supply. Thin to 24 plants to the foot. If crowded, they run to leaves without making roots. Many gardeners sow the early sorts in the rows of slow-growing crops. The Summer and Winter varieties should be thinned to six to the foot; Winter varieties should not be sown until August. One ounce will sow 100 feet of row, 8 lbs. will sow an acre in drill, 12 lbs. broadcast. Our Radish Seed is strictly of the finest grade, being grown from carefully selected and transplanted roots.

**Price of Radish Seed as follows:**  
Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Cavalier.** A highly colored and very attractive variety for all purposes, and especially for shipping. Tops small; roots oblong-globe, slightly longer than broad, very firm, and of bright, almost true scarlet color. Especially adapted for growing on muck land.

**Crimson Giant.** (28 days.) It is always tender, crisp and of mild flavor. It remains in perfect condition for a long time. Color a beautiful crimson. It will force well.

**Early Long White Icicle.** (27 days.) The flavor is very mild, and it is invaluable for slicing. The top is short; flesh very crisp and tender; very attractive when bunched. Remains in prime condition for eating for fully two weeks.

**Early Scarlet White Tip.** (26 days.) Grows round and very symmetrical and uniform in shape; color a bright scarlet, white tip.

**Early Scarlet Globe.** (24 days.) An excellent forcing variety and well adapted for field culture, roots globular with small top, bright scarlet, crisp, tender and of fine quality.

**French Breakfast.** (25 days.) A popular early variety. Roots oblong, dull scarlet, with white tip,  $1\frac{1}{2}$  in. long,  $\frac{3}{4}$  in. thick. Flesh white and crisp. Extensively used for forcing.

**Long Scarlet Short Top.** (27 days.) A standard sort for market and private gardens, roots 5 to 6 in. long, smooth, crisp, and tapering.

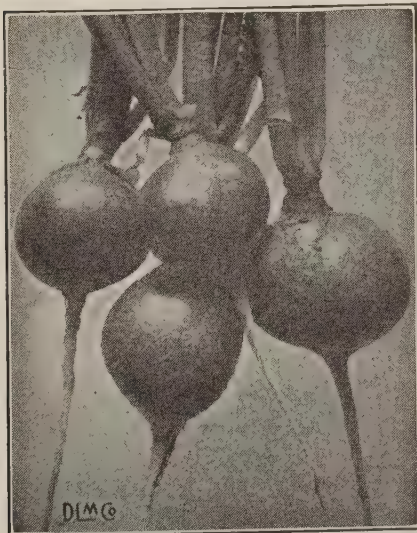
## WINTER VARIETIES

**Chinese Rose Winter.** (52 days.) A popular sort, with cylindrical, blunt, smooth roots 5 to 6 in. long and 2 in. in diameter. Bright rose-red with white, firm, pungent flesh.

**Long Black Spanish.** (57 days.) A good keeper. Roots cylindrical, slightly tapered 7 to 9 in. long, 2 in. in diameter. Black skin. Flesh white, solid, and pungent.

**Round Black Spanish.** (56 days.) A round Winter sort, somewhat top-shaped about 3 to 4 in. in diameter. Flesh white, crisp, of strong flavor.

**White Chinese Winter or Celestial.** (60 days.) Roots large,  $2\frac{1}{2}$  to 3 in. in diameter, and from 6 to 9 in. long, oval with blunt base. It is clear white and crisp but not as pungent as other Winter varieties.



RADISH, SCARLET GLOBE



# SPINACH

Rich In All Health  
Giving Properties



SPINACH, KING OF DENMARK

**Price of Spinach unless otherwise noted is as follows:** Pkt. 10c., oz. 15c.,  $\frac{1}{4}$  lb. 40c., lb. \$1.00

**Bloodsdales Long Standing Savoy.** More compact in growth and a deeper green color than other Savoy varieties. It will stay in prime condition for cutting two weeks longer than many other varieties.

**Giant Thick-leaved.** A strong-growing early market variety; large, thick leaves, deep green color. The best for Spring or Fall sowing.

**Juliana.** Long season type with rich dark green crumpled leaves standing a long time before seeding. Fine for Spring or Fall planting.

**King of Denmark.** Leaves are large, rounded and of a deep green color, and remain in good condition a week after some varieties have gone to seed. It has quite a butter flavor.

**New Zealand.** Ready for use in about 10 weeks from sowing. This variety may be cut and comes back again all Summer. The leaves are very small.

**Virginia Blight-Resisting Savoy.** (39 days.) A mosaic-resistant variety. Plants vigorous, upstanding. Leaves somewhat smoother than other strains of Savoy, but will withstand heat better.

## SQUASH VINE BORER

Butternut variety does not seem to be attacked by the vine borer. On other varieties four applications of 1% Rotenone at weekly intervals starting about June 25th will give good control.

# SQUASH

Squash grows best in a fertile, deep soil. The bush varieties are grown in rows or in hills spaced 4 by 4 feet. The running sorts are spaced either 8 by 8 or 10 by 12 feet. Sow the seed after all danger of frost has passed. One ounce suffices for about 25 hills; 3 to 4 lbs. are needed. per acre.

**Banana.** A late, trailing, cylindrical sort. Flesh yellowish orange, sweet. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Blue Hubbard.** Of true Hubbard shape with rich blue-green skin and bright orange flesh of fine flavor. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Boston Marrow.** (97 days.) A productive Fall sort of vining or trailing habit. Deep orange, slightly rough fruits, 12 in. long and 9 in. in diameter, weighing 7 to 8 lbs. Flesh yellow, thick, fine-grained, and moist. Resembles a Pumpkin and is extensively used for pies. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Delicious.** Green skin; orange flesh; fine grained; sweet and dry. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Des Moines.** Trailing in habit with acorn-shaped, smooth, dark green fruits. Flesh light yellow. Bakes wonderfully. Very early. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Italian Marrow or Cocozelle.** (65 days.) Fruits dark green, becoming yellowish at maturity, 6 to 8 in. long, 3 in. in diameter. Flesh pale green, thick, firm, tender, of excellent tasty quality. Very popular. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c.

**Butternut.** (100 days.) A recent introduction which has become very popular. Fruits 10 to 12 in. long with neck of about 4 in. diameter which is solid flesh; the small seed cavity is located in the lower bowl-shaped end. Skin light creamy brown; flesh yellow, fine grained and of excellent quality. Delicious when used for pies and excellent either baked or boiled. Matures early and is a good keeper. Pkt. 10c., oz. 30c.,  $\frac{1}{4}$  lb. \$1.00.

**Early White Bush Scallop.** (53 days.) Also called Cymling and Patty Pan. Fruits white, scalloped, flattened and smooth, 8 in. in diameter by 3 in. thick, weighing 2 $\frac{1}{2}$  lbs. A valuable and popular early sort for home market, and shipping. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c.

**Giant Summer Crookneck.** Double the size of the Summer Crookneck. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c.

**Giant Summer Straightneck.** Fruits about 18 in. long, deep orange color and intensely warted. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 65c.

**Large Table Queen.** (All-America Award.) Weighs about 1 $\frac{1}{2}$  lbs. and is acorn-shaped, deeply furrowed, and golden yellow on the outside. The flesh is rich yellow, dry and mealy, and of delicious flavor. The vines yield prolifically, and the fruit matures early. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Hubbard (Green).** (105 days.) Fruit pointed, slightly warted, dark green, 12 in. long, 9 in. in diameter, weighing 10 to 12 lbs. Flesh thick, orange, dry and sweet. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.

**Golden Hubbard.** Similar to the old-fashioned Hubbard in size and form. Skin rich deep orange. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 75c.



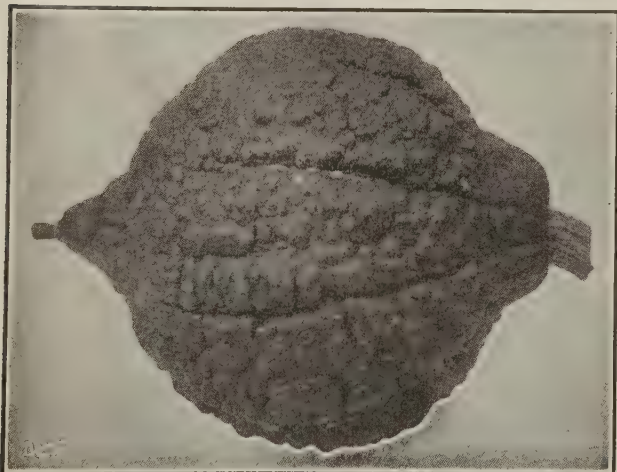
SWISS CHARD

## SWISS CHARD

This Beet produces leaves only, which are used for greens. Cultivate same as Spinach, sowing the seed early in Spring, in drills 1 $\frac{1}{2}$  feet apart and 1 inch deep.

**Large Silver Leaf.** Grown for the leaves only, and cooked like Spinach. The midrib is prepared like Asparagus. It can be sown at different seasons of the year, giving successive greens. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Rhubarb Chard.** (60 days.) A new Swiss Chard that looks like Rhubarb. The leaf stalks are bright but delicate, translucent crimson, the rich color extends out through the veins into the dark green, heavily crumpled leaves. You will enjoy its different, tasty, delicious flavor. Plants are so beautiful they may be used in flower borders. Leaves and stalks are nice in flower arrangements. Pkt. 15c., oz. 55c.



HUBBARD SQUASH



# TOMATO

Sow the seed in February or March in a hotbed, greenhouse or in shallow boxes in the house. When plants are about 2 inches high, transplant to 4 inches apart. Transplant in the open ground after all danger of frost is past, 3 to 4 feet apart each way. Cultivate frequently. When plant has reached a height of 5 feet, cut off the top. When three or four clusters of fruit have formed and some of the fruit is as large as a silver dollar, prune the leaves at the base one-half, as this hastens ripening. Once a month apply sheep manure around each plant. One ounce will produce 2,000 to 3,000 plants, 2 to 3 ounces for an acre; 35 to 40 plants to 100 feet of row.

**Bonny Best.** (73 days.) A fine early variety, smooth, solid and uniform, color bright red. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

**Chalk's Early Jewel.** (75 days.) Very large, solid, bright red; early and prolific. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Dwarf Stone.** (81 days.) Strictly dwarf and tree-like; requires no training to permit culture where space is limited. Fruits bright red, flattened globe-shape, a trifle over medium size. Pkt. 10c., oz. 65c.,  $\frac{1}{4}$  lb. \$1.50.

**Earliana.** (64 days.) Particularly valuable for home garden and early market. Fruits medium size; flattened globe shape; deep scarlet-red; firm and smooth. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.75.

**Golden Queen.** (84 days.) Fruit large solid, golden yellow. Excellent flavor. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.75.

**John Baer (True).** (70 days.) The earliest and best Tomato. Fruit solid. Color, bright red. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

**Marglobe.** (77 days.) A grand second-early variety, vigorous grower and immune to rust. Fruits are large, smooth and globular in shape, of meaty substance. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Ox Heart.** (90 days.) Very popular late home garden variety. Fruits very large, often weigh 1 to 2 lbs. or more; heart-shaped; pink; flesh solid with few seeds, of mild flavor, and very choice for salads. Pkt. 10c., oz. \$1.75,  $\frac{1}{4}$  lb. \$6.00.

**Penn State.** (62 days.) A very early smooth fruited sort on the order of Earliana. Fruits in compact clusters. Very short vine. Flesh dark red, very little core and few seeds. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.00.

**Ponderosa.** (Also known as Beefsteak.) (85 days.) One of the best for home use. Fruits deep purplish-pink; extremely large, commonly 9 to 12 oz. each; deep, but flat; very fleshy with few seeds; of very mild flavor. Pkt. 10c., oz. \$1.75,  $\frac{1}{4}$  lb. \$6.00.

**Pritchard (Scarlet Topper).** (75 days.) Very promising heavily productive wilt resistant introduction of superior merit for home and market garden, shipping and canning. Fruits large, globe-shaped, scarlet and well colored about the stem end; flesh firm and of fine quality. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

**Rutgers.** (86 days.) A recent development introduced by the New Jersey Agricultural Experiment Station. Fruits medium to large, similar in shape to Marglobe, but slightly more flattened. Highly recommended as a second early maturing variety for canning and Tomato juice. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25.

**Stone.** (86 days.) Uniformly oval, very solid and smooth. An old standby from certified stock. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.

**Valiant.** (68 days.) An extra-large early market variety producing brilliant scarlet fruits of the globe type. It has a rather sparse, open vine, and therefore should mature most of its crop before the extreme heat. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.50.



TOMATO, MARGLOBE

**Stokesdale.** (70 days.) A second early scarlet fruited variety maturing about a week earlier than Marglobe. Plant rather open in habit with medium heavy foliage. Fruits large, globe or sub-globe, smooth and well colored. Recommended for both canners and shippers, particularly where length of growing season is less than average. Pkt. 10c., oz. 75c.,  $\frac{1}{4}$  lb. \$2.25.

**Victor.** (65 days.) Introduced by Michigan State College. All America Bronze Medal Award. In season with Earliana but matures a large proportion of its fruit during the first few weeks of picking. Vine is short branching and foliage rather sparse. Fruits about 3 inches in diameter, globe-shaped or slightly flattened, smooth, and ripen to full deep scarlet. Recommended as a first early market variety and for the home garden. Pkt. 10c., oz. \$1.00,  $\frac{1}{4}$  lb. \$3.50.

## TOBACCO SEED

One ounce will produce plants for one acre

**Connecticut Seed Leaf.** Suitable for growing in these latitudes; used for cigar wrappers. Pkt. 10c., oz. \$1.00.

# TURNIPS

One ounce will sow 150 feet of drill

For early crop sow in Spring as soon as the ground can be worked, and again in July and August in drills  $\frac{1}{2}$  inch deep and 18 inches apart; thin out to 6 inches in the row. Sow Rutabaga in June and July in drills 2 feet apart; thin out to 9 inches in the row. Turnips do best in a rich, light soil.

**The price of Turnips, unless otherwise noted, is as follows:** pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c., lb. \$1.50.

**Large Amber or Yellow Globe.** (76 days.) Roots globular, 5 in. in diameter, smooth and yellow. Flesh light yellow, firm, and tender. Tops medium size with cut leaves. Popular for home gardens and also for stock feed.

**Purple Top White Globe.** (60 days.) An early variety, globe-shaped. A handsome early Turnip for market garden purposes.

**Purple- or Strap-Leaved Flat.** (46 days.) Roots flat, purple at top, white below, 3 to 5 in. in diameter and  $1\frac{1}{2}$  in. thick. Flesh white, fine-grained, and tender. Tops medium small and compact. A very productive early variety for home and market garden.

**Cow Horn.** (65 days.) A long, white, Carrot shaped Turnip, which grows half out of the ground. Mostly used for feeding stock, but makes a fine table sort.

## RUTABAGA (Swedish Turnip)

The roots are close grained, very hard, and will endure a considerable degree of cold without injury. Sow from 20th of June to the middle of July, in drills 3 feet apart and thin out to 8 inches.

**Improved American (Purple Top).** (90 days.) The leading variety, very hardy and productive. Flesh yellow, solid, sweet and finely flavored. Equally good for stock or table use. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.

**Sweet Perfection White.** (95 days.) While very good for stock feeding, this white fleshed Rutabaga is especially desirable for table use. It is of vigorous growth and yields better than yellow varieties. Absolutely neckless, small topped, and fine grained. Pkt. 10c., oz. 20c.,  $\frac{1}{4}$  lb. 50c.



TURNIP, PURPLE TOP WHITE GLOBE



# CERTIFIED SEED POTATOES

Grown Especially for Seed Purposes—Plant 10 Bushels to the Acre

1 peck=15 lbs., \$1.00

½ bushel=30 lbs., \$1.85

1 bushel=60 lbs., \$3.50



CHIPPEWA

## Certified Grown GREEN MOUNTAIN

Has the reputation of making big crops and on practically any kind of soil, producing uniformly large, handsome, smooth, oval-shaped Potatoes with white skin, with very few small potatoes. Medium late. Not susceptible to disease.

## Certified Grown HOUMA

Originated by the United States Department of Agriculture. Matures about as early as the Chippewa and about a week earlier than Green Mountain. Tubers short and thick, glossy white, skin smooth, eyes very shallow except at bud end. Resistant to yellow dwarf and mosaic; also to heat injury. Adapted to the lighter soils and conditions favorable to the Green Mountain. In yield tests, it generally equals or exceeds the Green Mountain. Quality rating, excellent.

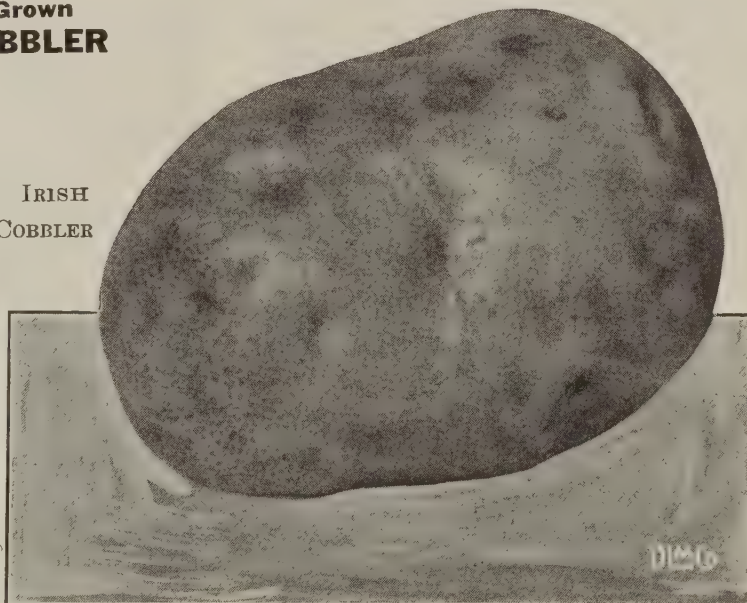
## Certified Grown IRISH COBBLER

The most outstanding variety for market gardeners. Earliest maturing and most dependable for both Spring and Summer planting.

Its popularity is due to its extreme earliness, making few, if any, very small Potatoes—practically all being medium to large size.

The tubers are round to oval in shape, slightly flattened, and have strong, well developed eyes.

IRISH  
COBBLER



## Certified Grown CHIPPEWA

Their smooth appearance and fine table quality give them preference over all other varieties for Spring planting. Since we introduced the Chippewa Potato, it has been a continuous winner at State and County Fairs.

This outstanding Potato was developed by the U. S. Dept. of Agriculture with the object in view of having a Potato with the general features of the Cobbler, extra earliness, but with shallow eyes, instead of the deep eyes of the Cobbler. Chippewa is resistant to disease, and in official tests from Maine to Florida it has yielded consistently higher than Cobbler and Green Mountain. Don't fail to plant Chippewa Potatoes in your garden this Spring.

## Certified Grown KATAHDIN

### The Long Keeping Potato

Originated by the U. S. Department of Agriculture and promises to become the outstanding medium late Potato for market or storage. Originated in Maine and in yields has consistently surpassed Rural New Yorker and Green Mountain, producing a much higher percentage of No. 1 Potatoes. The Katahdin produces a smooth tuber of excellent shape and the ability to maintain this desirable shape under adverse soil and climatic conditions is an important characteristic of this new variety.

This variety, like the Chippewa, has very shallow eyes, with crisp white flesh and distinctly desirable cooking qualities which appeals to the housewife. It is highly resistant to disease and one of the best keeping Potatoes on the market today. The Chippewa is about a week later than the Cobbler and Katahdin about 10 days later.

## Certified Grown RUSSETS

Late, has rusty skin and few eyes. One of the very best Potatoes, almost blight proof, vines very strong and vigorous and produce immense yields of handsome round, white Potatoes.

## Certified Grown RED BLISS

To those who prefer a Potato with a pink skin and white flesh, or those who grow for markets where this color is in demand we recommend Red Bliss. It is one of the very earliest, nearly round, peels without waste and a fine yielder. It is a sure and uniform cropper, a strong grower, is of good size, cooks white and mealy and measures up to every requirement of a first-class first early Potato. Its productiveness and fine quality commend it.

## Certified Grown SEBAGO

Originated by the U. S. Department of Agriculture. A high-yielding variety somewhat later than the Rurals. Smooth, white, shallow-eyed tubers thicker than Chippewa and of high table quality. Large, vigorous foliage resistant to heat and drought, also resistant to blight, yellow dwarf and scab. Especially desirable where blight occurs frequently or where spraying is omitted. Try a few of this new proved variety.

## Certified Grown WARBA

A seedling of Bliss Triumph from the Minnesota Experiment Station, with smooth white skin and pink eyes. Earlier than the Cobbler, a heavy yielder, and immune to mosaic disease. If your soil is not heavy we suggest trying a few Warbas for early market.

## DUST OR SPRAY YOUR POTATOES

Potato planters who grow for market all recognize the value of dusting or spraying; they know from experience the increased yield and the better quality of the Potatoes. For these same reasons, those who grow for their own use should spray. Spraying costs but little, but pays handsomely.

### FOR BUGS AND BLIGHT USE

**Potatox.** Bugs and blight.

**COS Copodust.** Blight only.

**COS Niatox 3 Dust.** Bugs and blight.

### FOR BUGS ONLY

**Arsenate of Lead**

**Paris Green**

**DDT**

### FOR BLIGHT ONLY

**Bordeaux**

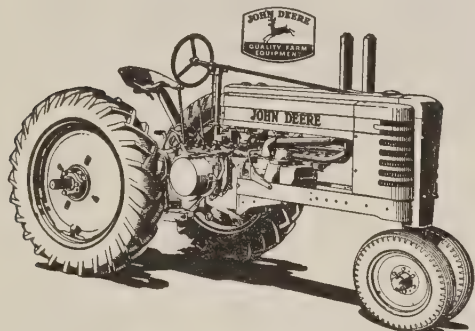
**Blue Stone**

**Copper Solution**



## JOHN DEERE QUALITY FARM EQUIPMENT AND SERVING PRICES ON REQUEST

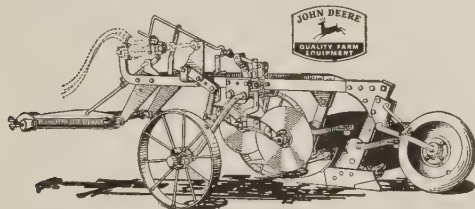
No matter what your farming needs may be, there's a John Deere farm implement ready to make your work much easier . . . more profitable . . . and do it faster than ever before. You need the important advantages John Deere farm equipment offers you. See us for further information about any machines in which you might be interested.



### JOHN DEERE INTEGRAL PLOWS

Whether plowing level lands, irregular fields, or around obstructions, you'll make productive seed beds of all your land when you use a John Deere Integral Plow.

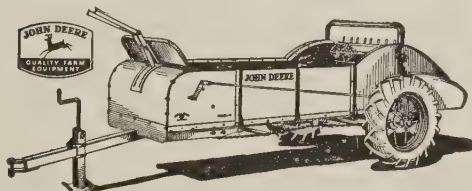
The integral two-way plow, *at the right*, is easy to operate . . . dependable on every job.



### JOHN DEERE RUBBER-TIRED WAGONS

Make short work of your hauling jobs. Depend on light-draft John Deere Rubber-tired Wagon. It's sturdily built . . . easy to handle . . . economical to own . . . dependable on every job.

There's a John Deere Wagon "made to order" for your particular needs . . . for your pocketbook. See us for complete details.



### JOHN DEERE POTATO DIGGERS

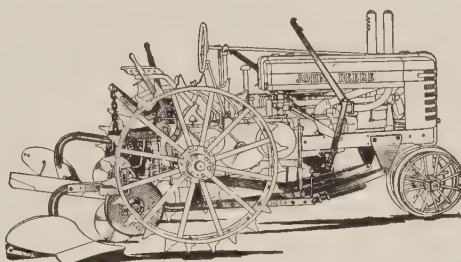
There's a complete line of John Deere equipment for potato farming. A leader is the big capacity, one-row, tractor-driven potato digger, *at the right*. See us for further information.

**Remember**—we carry a complete selection of John Deere replacement sheers and **genuine** John Deere parts. See us for replacement needs for your John Deere Farm Equipment.

### JOHN DEERE TRACTORS

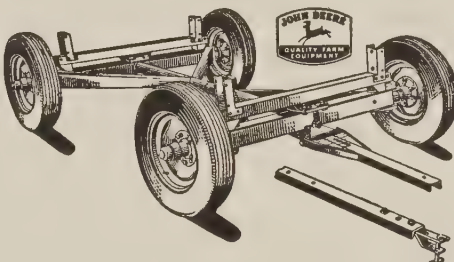
There's a John Deere **Two-Cylinder** Tractor in the size and type to match your particular farming requirements. You'll appreciate their surprising economy, dependability, simplicity, and ease of handling.

The John Deere Model "B", *shown at the left*, is ideal for the medium-sized farm. Pulls two 14-inch plow bottoms in average soil.



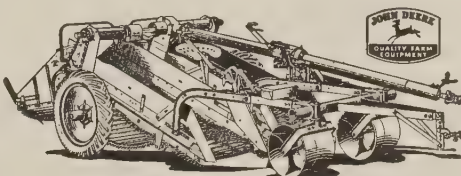
### JOHN DEERE TRACTOR PLOWS

John Deere makes a complete line of Truss-Frame tractor plows. Fully proved in all plowing conditions, these plows will give you the extra strength and clearance you want—and need. The No. 44H is shown at the left.



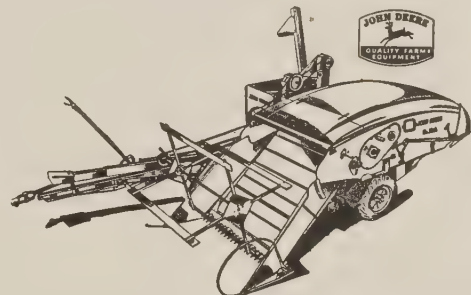
### JOHN DEERE SPREADERS

Wet slippery fields or feed lots mean little trouble for a sure-footed John Deere Model "H" Manure Spreader. It's properly balanced for best ground traction of both the tractor and spreader wheels.



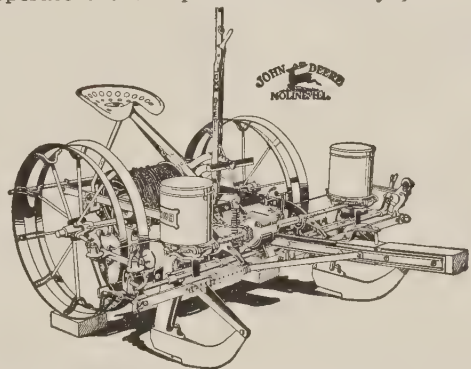
### JOHN DEERE CULTIVATORS

You can cultivate from 25 to 40 acres per day with the easy handling John Deere Two-Row Cultivator. See us for full information about the complete line of integral equipment for your John Deere Tractor.



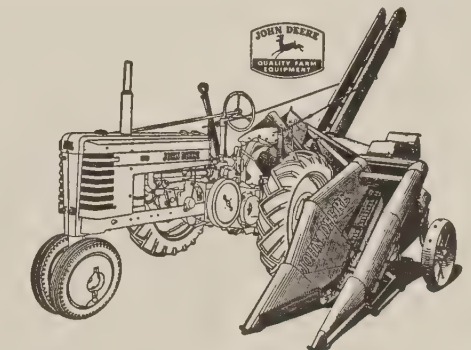
### JOHN DEERE NO. 12A COMBINE

You'll save more grain . . . your per bushel harvest costs will be lower when you use a John Deere No. 12-A Combine. It's easy to operate . . . dependable on every job.



### JOHN DEERE CORN PLANTERS

The John Deere No. 999 Corn Planter, *shown above*, is just one of the outstanding John Deere corn planters that plant all kinds of seeds with unfailing accuracy. See us for details.



### JOHN DEERE CORN PICKERS

You'll find the John Deere No. 101 Corn Picker ideal for the small- or medium-sized corn acreages. See us for full information.



OHIO K-24 HYBRID



## CERTIFIED CORN HYBRIDS IT'S RESULTS THAT COUNT

Our Hybrid Seed Corns are becoming very popular in Northern Pennsylvania and the Southern tier Counties of New York and do very well when the proper varieties are planted to suit the location.

Many farmers have bought Hybrid Seed Corn from dealers who did not know the peculiar growing and soil condition of Northern Pennsylvania and New York. They planted varieties that were not suitable to their location, the Corn did not ripen and the farmers become discouraged.

In planting Hybrid Seed Corn latitude, elevation and growing season must be taken into consideration.

Corn that will do well on bottom land will be a failure on higher land. Here in our own County of Lycoming and adjoining counties the elevation varies from 500 feet to 2500 feet with a variation of from 1 to 4 weeks of the growing season.

We of Chaapel's Seed Store pride ourselves upon our knowledge of the terrain of this section, and can therefore recommend the variety best suited to any given location within our trade territory.

Hybrid Seed Corns give larger yields, withstands drought, stands up better, matures and grows more uniformly, produces more leaves and greener fodder.

## Requires Less Help in Cultivation and Harvest

**OHIO M-34 (26x51) x (40Bx02).** A high yielding early Hybrid. Plants are dark green, hold their greenness well, giving an appearance of lateness even though the ears are well matured. Medium-sized thick ears with deep kernels, can be used for early silage on high lands. Matures 90 to 95 days. Bu. \$10.00.

**OHIO HYBRID M-15 Pedigreed (26x51) x (AXCC5).** This is a tried and well known hybrid. It is the earliest one certified in Ohio. It is especially suited for the higher lands of Central and Northern Pennsylvania and New York. This Hybrid may be used for silage where an early silage is desired on the high lands. Matures in 95 to 100 days. Lb. 25c., bu. \$10.00.

**OHIO K-23 Certified.** One of Ohio's best early varieties. Kernels are light yellow of medium breadth and depth. Stalks 7 ft. high, ears medium with 16-18 rows tapered. In the latitude of Williamsport it does well on elevations up to 1000 ft. A dependable hybrid. Matures in 100 days. Bu. \$10.00.

**OHIO HYBRID M-20 Pedigree (26x51) x (33x40B).** Ohio M-20 is similar in maturity and appearance to Ohio M-15. The fodder is darker green in color. The ears of medium length are borne at medium height on the stalk. Kernels are large, thick and of medium depth. Corn borer tolerant and resistant to root lodging and stalk breaking. Can be used for early silage. Matures 90 to 95 days. Bu. \$10.00.

**OHIO HYBRID K-24 Pedigreed (51AxWF9) x (33x40B).** A high yielding Hybrid Corn with an excellent root system. Ears are borne low on stalk and have 14-16 rows of fairly deep richly colored smooth kernels. The plants are very lodge-resistant, with deep green leaves and have short shanks, making it an excellent variety for mechanical picker. One of our best hybrids on the better soils. Can be used for ensilage where Wisconsin No. 412 is used for grain. Maturity 100 to 105 days. Lb. 25c., bu. \$10.00.

**PENNA. HYBRID 612 (WF9x51A) x (W22xI205).** A high yielding Hybrid, with an excellent root system. The plants are leafy and dark green in color. Ears are borne low on the stalk and have 14 to 16 rows of large fairly deep, richly colored kernels. Resistant to aphids and insects. Matures 95 days. Bu. \$10.00.

**PENNA. HYBRID 611 (MF9x51A) x (W22xOhio 28).** One of the newer Hybrid seed corn introduced by Penna. State College, and grown in Lycoming Co., Pa. Reputed to be more disease resisting, with a large root system larger yields, adapted for mechanical pickers, and a good sheller. Matures in 100 days. Lb. 25c., bu. \$10.00.

**PENNA. EXPERIMENTAL NO. 5602.** The most promising Hybrid, about the same period and growth as Ohio 20, disease resisting, adapted to mechanical pickers. Ears 12 in. x 12 in., matures 95 days. Supply limited. Only 1/4 bu. to customer. 1/4 bu. \$3.00.

### TREAT SEED CORN WITH

#### New Improved SEMESAN JR.

Easy dust treatment; protects seed against rotting; improves stands; reduces seedling blight and increases yields. Average increase, 4 bus. per acre. 1 1/2 oz. pkt. 15c., 12 oz. can 56c., 6 1/4 lb. can \$3.75.



#### JOHN DEERE ROLLING STALK CUTTER No. 206

A machine superior to a disk harrow in turning under Corn stalk when the Corn is snapped or picked with a mechanical picker.



#### STANLEY'S CROW REPELLENT PROTECTS YOUR SEED CORN

from crows, pheasants, blackbirds, larks, and all other corn-pulling birds and animal pests, such as moles, gophers, woodchucks, squirrels, etc.

Qt., enough for 4 bus. seed \$1.75, pt. enough for 2 bus. seed \$1.00, 1/2 pt. enough for 1 bu. seed 60c.





BLUE RIDGE ENSILAGE SEED CORN

## OPEN POLLINATED FIELD AND ENSILAGE SEED CORN

**Virginia-Grown Eureka Ensilage Corn.** It is the largest Corn we know of; grows from 14 to 18 ft. high, on stalks 2 to 2½ in. in diameter, and has a vast amount of foliage. If it is a question of tonnage on your farm, grow Eureka Ensilage Corn. It gives you a succulent, palatable, cheap feed the year around. The seed we offer is the genuine Eureka, grown in the Shenandoah Valley of Virginia, and will give one of the largest crops of Ensilage Corn you have ever had. Pkt. \$1.35, bus. \$5.00.

**Longfellow Flint.** This for a long time has been the popular, 8-rowed Yellow Flint Corn. It is a very productive variety; ears 12 to 14 in. long and matures where the Yellow Dent fails. Pkt. \$1.35, bus. \$5.00.

**West Branch Sweepstakes Ensilage Seed Corn.** The genuine West Branch Sweepstakes is a big Corn. The stalks are very large, 1½ to 2 in. in diameter and 12 to 15 ft. high. The foliage is long, broad, and heavy, starting well down to the ground, with an abundance of leaves, and produces from 15 to 25 tons of silage per acre. The ears are large, averaging 12 in. long and 10 in. in circumference, containing 14 to 20 rows of red and golden grains, with a decided reddish cast. Pkt. \$1.10, bus. \$4.00.

**Blue Ridge Ensilage Seed Corn.** A variety of Ensilage Corn of great merit. Blue Ridge Ensilage is at least three weeks earlier than its famous prototype, Eureka Ensilage, with all its good qualities and none of its faults. It is bred for earliness so as to give a glazed ear in this locality at harvest-time. It grows 12 to 14 ft. high, on a thick, heavy stalk, well filled with leaves which retain their color well to the ground until harvested. (See illustration from an actual photograph, two thirds natural size.) Pkt. \$1.35, bus. \$5.00.

**Lancaster Golden Sure Crop.** This is a large-growing Corn, 12 to 14 ft. high, with long ears and a large amount of leaves, making it an excellent Silage Corn. Will not mature for grain in a short season in Northern Pennsylvania and New York. Fine for silage in these locations. Pkt. \$1.25, bus. \$4.50.

**White-Cap Yellow Dent.** This Corn has never failed to mature properly; vigorous habit, large foliage, and a sure cropper. The ears are large—9 to 11 in. and 14- to 16-rowed—well filled out and showing practically no gloss whatever, thus demonstrating its well-bred propensities. The grains are large, beautiful lemon-yellow, and white-capped. Pkt. \$1.10, bus. \$4.00.

## CLINTON OATS

CLINTON OATS is a new variety developed through the united efforts of the U. S. Department of Agriculture and state experiment stations. This variety was bred especially for and resistance to the more hazardous strains of rust, smut and blight.

### RESISTANT TO HELMINTHOSPORIUM

The disease causes seedling blights with a velvety dark color showing at the nodes, premature ripening, reduction in weights per bushel and in yield. This disease causes Oat plant seedling to die. Leaves of the plants which survive are streaked with an orange and brownish color. The plants lodge badly. The plants shrivel and die before the heads are filled out. Damage to older Oat varieties such as Vicland and Tama are ex-

tremely heavy some years. CLINTON Oats are resistant to Helminthosporium.

### HIGH YIELDS

CLINTON OATS are medium early, and produce high yields in the Oat growing sections. They have greatly outyielded the older disease susceptible varieties. Yields have equaled or exceeded those of Tama and Vicland Oats when cut with the binder, but when combining was delayed they have consistently outyielded the other popular variety. The grain color is almost lemon-yellow.

### WIDELY ADAPTED

Highly recommended by local State Experiment Stations for Spring Oat producing sections.

Bu. 32 lb. \$2.00    100 lb. Bag. \$6.00

In ordering Seed Corn by Parcel Post allow for postage and cost of bags.





PLANT OF ALFALFA, OR LUCERNE

Inoculate seeds on this page with  
**NOD-O-GEN**

All our tested farm seeds are sold under the provisions of the Pennsylvania and New York Pure Seed Law.

Write for samples and prices in larger quantities. Prices subject to market fluctuation



ALSIKE, OR HYBRID CLOVER

## CLOVER SEEDS

**Alfalfa.** Northwestern-grown Alfalfa produces from 3 to 7 tons of hay to the acre. It has as much protein as wheat-bran. Three hundred and sixty stalks have been grown from 1 seed. It does not exhaust the soil; it enriches the soil. It will grow three to five crops a year. Alfalfa in money value is worth 45 per cent more than other Clovers and 60 per cent more than Timothy. Ten milch cows can be fed on less than 2 acres by soiling. Lb. 75c., bu. \$38.00.

**Canadian Variegated Alfalfa.** This Alfalfa was developed in Ontario, Canada, and is a cross between Grimm and Northwestern. It comes to us field-inspected and certified to be 60 per cent variegated flowered. It does not spread as much as the Grimm or common. It is recommended by the Experiment Stations for northern Pennsylvania and New York State. Lb. 75c., bu. \$41.60.

**Alsike or Swedish.** This is one of the hardest varieties known. It is perennial and does not Winter-kill. It will do better on moist land than any other variety of Clover and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. Lb. 65c., bu. \$28.00.

**White Dutch Clover.** Include it in all lawn or pasture mixtures on all types of soil, even sandy, acid, or in shade, although it grows most luxuriously in limed moist lowland. It furnishes Winter and Spring pasture, preferred by all livestock, is not easy to tramp out, restricts washing, adds fertility, and aids growth of companion grasses. Inoculate and sow in Spring or late Summer, 5 to 8 lbs. per acre alone, or 2 to 3 lbs. in mixture. Lb. \$1.50.

**Grimm.** We have the genuine certified Grimm Alfalfa produced in the Northwest, where the climate is colder for longer periods than in the eastern States. More hardy than the common, has a different root system and comes through on soils that will not maintain the common variety. Comes in sealed containers certifying its genuineness. Lb. 90c., bu. \$40.00.

**Mammoth Red Clover.** (*Domestic grown.*) Pea Vine or Sapling Clover. A large, rank-growing clover, ripening at the same time as Timothy, producing an enormous yield. It is a valuable plant for our depleted, worn-out hills, producing a satisfactory yield. Our stock of this clover is the Genuine Mammoth. Lb. 75c., bu. \$35.00.

**Crimson, or German Clover** (*Trifolium incarnatum.*) Erect annual, 1 to 2 ft. high, with bright scarlet flowers. It is largely grown for improving the soil by turning under. It is a valuable crop for pasture or green manure. For hay it should be cut when in full bloom. Sow 20 lbs. to the acre. Lb. 45c., bu. \$22.00.

**Medium Red Clover.** (*Domestic grown.*) Red or June Clover is probably more generally grown than any other. This crop is the stand-by for American farmers, both for hay and soiling. Much publicity has been given this important crop during the past few years as to the adaptability of seeds from Southern sections when planted in the Northern States. It is agreed among investigators that seed for planting under Pennsylvania farm conditions should be northern-grown, to stand our harsh Winter and early Spring conditions. We take great pains to offer our trade only seed of the Medium Red variety that is northern-grown, as free as possible from weeds, and of the best germination. Our Domestic Medium Red Clover is always the best procurable. Lb. 75c., bu. \$35.00.

**Ladino White Clover.** Sow it for a year 'round pasture. U. S. Department of Agriculture says: "Ladino is the largest growing form of white Clover. It is similar to White Dutch, but grows twice as large."

It is a long lived perennial, excellent for grazing, as well as producing a most nutritious and palatable hay crop. Its tap root goes down one to three feet. The stems run on the ground, taking root. It is not subject to Alfalfa diseases and is ideal to plant after Alfalfa. It does not bloat livestock as much as other Clovers, but is safer to plant with Timothy, Red Top, Meadow Fescue, Kentucky Blue, Orchard, and Rye Grass. Lb. \$3.00.

**Perennial White Sweet Clover.** (*Melilotus alba.*) A legume of immense size and rank growth. It has great value as a soil improver. It furnishes a palatable hay and makes excellent pasture. Inoculate this seed with NOD-O-GEN.

**Sweet Clover.** Makes a good grade of hay and it will produce a larger tonnage than any other legume crop; it averages two or more cuttings per year. Lime well for sweet Clover, at least  $\frac{1}{2}$  ton hydrated lime per acre, or its equivalent. Sow 25 lbs. per acre. Lb. 35c., bu. \$16.50.

**Yellow Sweet Clover** (*Melilotus officinalis.*) This is also a biennial similar to White Blossom Sweet Clover, and used for the same purpose. It has a yellow blossom and is about two weeks earlier and not so tall. It does not grow so heavy and coarse. It lays closer to the ground and is considered superior for pasture and makes a finer grade of hay. For those who do not like the White Sweet Clover on account of its rank growth we would recommend the Yellow Blossom. Lb. 35c., bu. \$16.50.

If wanted by Parcel Post, add postage 7 cents for the first pound, and 1 cent for every additional pound, within the First and Second Zones. Seamless 2-bushel bags, used in shipping, 40 cents each.



# FANCY RECLEANED PASTURE AND GRASS SEED

Prices Subject to Market Fluctuations

Special Prices on Large Quantities

All varieties, 25 lbs. or over at the 100 lb. rate

## BENT GRASSES

**Red Top Grass Seed, Hulled.** Fancy seed thrashed out of hull. Sow 10 to 15 lbs. to an acre. Lb. \$1.00, 10-lb. lots, \$9.50.

**Seaside Bent** (*Agrostis maritima*). True Coos County strain. Our seed is delivered sealed and certified as to origin and purity of strain by the Department of Agriculture of the State of Oregon. Lb. \$1.50, 10-lb. lots, \$14.00 per lb.

## BLUE GRASSES

**Kentucky Blue Grass** (*Poa pratensis*). One of the most widely used of all grasses for lawns, pastures and fairways. Does best on fertile soils. Extra fine quality. Lb. \$1.00, 100 lbs. \$75.00.

**Rough Stalked Meadow** (*Poa trivialis*). A fine leaved grass of sod forming habit. An important variety for shady situations. Requires a moderate amount of moisture. Lb. \$1.35, 10 lbs. \$12.00.

## FESCUE VARIETIES

**Chewings New Zealand Fescue** (*Festuca rubra Fallax*). A splendid grass of creeping habit, which forms a good sward where no other grass would succeed. One of the best for shady lawns. Lb. \$1.00.

**Fescue, Meadow** (English Blue Grass). Easy to grow; resembles Kentucky Blue Grass; good for lawn and meadow. Lb. 50c.

**Sheep's Fescue** (*Festuca ovina*). A wiry, stiff blue-green grass, good on poor soil, and rough on a golf course. Lb. \$1.50.

**White Dutch Clover.** This is the best Clover for lawns, as it forms a close herbage and remains green throughout the season. It is also a very valuable mixture with grass seed for pasture.  $\frac{1}{4}$  lb. 45c.,  $\frac{1}{2}$  lb. 85c., lb. \$1.50.

## SOY BEAN LINCOLN

### Certified

An early yielding variety. Indeterminate in growth habit, with strong tendency to produce large branches. Lodging and shattering resistant. A durable performer with a wide range of adaptability, having a high protein content (40.9%) and an oil content of 21.7%. Bu. \$6.00.

## NOD-O-GEN INOCULATE

Your legume seeds, such as Alfalfa, Sweet Clover, Red Clover, Alsike, Soy Beans, Peas, Field and Garden Beans, Vetches, etc.

### Prices:

For Medium Red Clover, Alsike, White Dutch Clover, Alfalfa, Sweet Clover. Bu. 50c.,  $2\frac{1}{2}$  bu. \$1.00.

For Soy Beans, Cow Peas, Peanuts, Lima Beans. 2 bu. 30c., 5 bu. 55c., 25 bu. \$2.50.

For Field Beans, Wax, String, Navy, Snap, Kidney and Scarlet Runner Beans. Bu. 55c.

For Vetches and Peas.  $\frac{1}{2}$  bu. 25c., bu. 35c., 5 bu. \$1.50.

Combination for Garden Peas and Beans, Lima Beans, Sweet Peas and Lupine. 5 lbs. 15c.

Some of the Newer and Worthwhile Grass for Pasture and Hay

RECOMMENDED BY  
EXPERIMENTAL STATIONS AND  
COUNTY AGRICULTURAL AGENTS

## LADINO

Is a perennial rapid growing White Clover, spreads by runner and seed. Roots are vigorous, sturdy stems that cover the surface, works in combination with other grasses to form permanent pasture for poultry and cattle. It does well all during the growing season in combination with Orchard Grass, Blue Grass, Timothy, Alta Fescue and Brome Grass. It furnishes a nutritive, palatable, continuous pasture. An acre sowed with Ladino Clover and other grasses when properly fed each year will probably produce more revenue than an acre on the farm sowed to Farm crops. Be sure and start a Ladino pasture. Sow 1 to 2 lbs. per acre with other grasses. Lb. \$3.00.

## BIRDSFOOT TREFOIL

Is the answer to poor run down acid soils of Northern Pa. It grows throughout the hot months when other grasses are resting. Good for hay and long time pasture, generally sown in combination with Orchard Grass and Timothy. Sow 4 to 5 lbs. Birdsfoot with 4 lbs. each of Timothy and Orchard Grass. Lb. \$1.50.

## BROME GRASS (Lineal Type)

Is compatible with Alfalfa. Helps improve old stands and is used in mixture with other grasses for Hay and Pasture. Brome Grass is a perennial tall growing sod forming high yielding late maturing grass with strong creeping root stalks, firm turf and never gets woody. Lb. 60c.

## ALTA FESCUE

Is an improved Meadow Fescue, recommended by experimental stations to replace Meadow Fescue in Pasture Mixture. Lb. 75c.

## MISCELLANEOUS SEEDS

**Millet, German or Golden.** Sow 50 to 60 lbs. to an acre. Medium early. In height, 3 to 4 ft., heads closely condensed. Lb. 10c., bu. \$5.00 (50 lbs. to a bushel.)

**Orchard Grass** (*Dactylis glomerata*). Sow 20 to 25 lbs. to an acre. One of the most desirable of all pasture grasses. Especially valuable for grazing stock. Lb. 45c., 100 lbs. \$39.00.

**Sudan Grass.** Rapid growing green fodder, and makes good hay. Lb. 25c. (35 lbs. a bushel), 100 lbs. \$13.00.

**Timothy Grass** (*Phleum pratense*). Sow 10 to 15 lbs. to an acre. It will produce a larger crop than any other fine blade grass for hay. Lb. 35c., bu. (45 lbs.) \$15.00

**Winter Vetch.** For foliage and fertilizing purposes. Lb. 35c., bu. (60 lbs.) \$18.00

**Peas, Canadian Field.** Usually sown with Oats. Used both as a green feed and fertilizer. Bu. (60 lbs.) \$6.50.

## RYE GRASSES

**Domestic Rye Grass** (*Lolium Species*). A natural mixture of English and Italian Rye Grass. Lb. 25c., 100 lbs. \$20.00.

**English Rye Grass** (*Lolium perenne*). A very rapid growing variety for pastures and lawns. Lb. 30c., 100 lbs. \$25.00.

## PASTURE GRASS MIXTURE (Also for Hay)

### SOW 25 TO 30 LBS. TO AN ACRE

This is the most profitable crop that a farmer can put in his soil. Seeding should be done in July and August. You seldom miss a catch. The following season it will cut two to three tons on an average to an acre. Lb. 50c., 100-lb. lots, 45c. per lb.

**Soy Beans** (The Great Soil Improver). Soy Beans can be grown in all parts of the country where dent Corn succeeds. We carry Manchu and Black Wilson varieties. Bu. \$6.00.

**Alpha Barley 2 Row.** Ripens with Oats. Bu. (48 lbs.) \$3.50.

**Barley 6 Row.** Early variety. Sow  $2\frac{1}{2}$  bu. per acre. Bu. (48 lbs.) \$3.50.

**Dwarf Essex Rape.** A forage plant of great merit. Valuable feed for cattle, sheep and hogs. Lb. 30c., 100 lbs. \$25.00.

## THE CYCLONE SEED SOWER

Practical and all-around, first-class grain and grass seeder \$3.75, postpaid \$4.50.

**Dry Measure.** 2 pints, 1 quart; 8 quarts, 1 peck; 4 pecks, 1 bushel; 36 bushels, 1 chaldron.

**Liquid Measure.** 4 gills, 1 pint; 2 pints, 1 quart; 4 quarts, 1 gallon;  $31\frac{1}{2}$  gallons, 1 barrel; 2 barrels, 1 hogshead.

**Measurement of an Acre.** 20 yards wide by 242 yards long; 40 yards wide by 121 yards long; 70 yards wide by 69 $\frac{1}{2}$  yards long; 60 feet wide by 726 feet long; 110 feet wide by 396 feet long; 120 feet wide by 363 feet long; 220 feet wide by 198 feet long; 240 feet wide by 181 $\frac{1}{2}$  feet long, and 440 feet wide by 99 feet long contains one acre.





## DAIRY SUPPLIES



### Milk Bottles

These Bottles are made by a factory that specializes in bottle-making. The glass is clear flint. The bottles are made with a long neck and will show a deep cream-line.

	Doz.	Gross
½ pt.....	\$0.75	\$7.50
Pt.....	1.00	9.50
Qt.....	1.25	12.50

### Milk Bottle Caps

These Caps are made from 40-point thick board, and are thoroughly waterproofed with paraffine. 50c. per tube of 500.



### Swiss Dairy Pail

Made from finest charcoal plate. One-piece retinned top or hood. Steel bail; reinforced ears. All seams sanitary soldered inside and out.

P7514—14-qt.....\$3.25  
Seamless Pail, P7514—14 qt..... 3.50

### Bottle Brushes

Hand. 10-in. handle.....\$0.90  
Machine. Short handle..... .75

### Milk Bottle Cases

Quart standard (holds 12) \$3.50, pint standard (holds 20) \$3.50, ½-pt. standard (holds 20) \$3.50.

### Milk Strainers

#### New Sanitary

Milk Strainer is made from heavy steel pressed in one piece, has heavy removable perforated steel well-tinned discs, between which you use the Sanitary cotton filter pads. P19412—12-qt.....\$2.50



### Cream Pails

These Pails are made from 2X charcoal plate, mirror finish, very strong and durable.

P17220—20-qt. with Gauge and Faucet. Price on request.

### COTTON DISC

100, 6 in.....	\$1.05
100, 7½ in.....	1.25

### Milk-Can

#### Brushes

Gong Ox-fibre, or Jersey.  
Ox-fibre. Each 75c.

### Rubber Aprons

Extra Heavy.....\$3.50

### Milk Cans or Kettles

Finest charcoal plate. Seamless cover and neck. Bottom reinforced with steel band. Heavy steel bail. Sanitary soldered. Full capacity.

P2304—4-qt...\$2.00	P2310—10-qt..\$2.75
P2306—6-qt... 2.25	P2312—12-qt.. 3.00
P2308—8-qt... 2.50	P2316—16-qt.. 3.50

### Marvelous New, Improved

#### Stewart Electric

#### Clipmaster No. 51

Perfect insulation—shockproof. Impossible for any current to reach clipping head. No ground wire necessary. Uses little current—same as an ordinary light bulb. Each \$29.50

### MORTON'S SUGAR-CURE

#### For Hams and Bacon

A high-grade meat salt, accurately proportioned and scientifically blended with marvelously balanced Sugar-Cure, select spice flavors and the curative and flavoring properties of refined condensed wood smoke. Every ingredient necessary to cure meat and impart to it delightful flavor is combined with the salt. This improved Sugar-Cure does the entire job. 7½-lb. can \$1.00.

### MORTON'S TENDER-QUICK

A special meat cure for pumping hams and shoulders and curing beef, veal, mutton, lamb, etc. It is so perfectly blended that it cures faster, improves the flavor, and makes more tender cured meats. 10-oz. can 40c., 10-lb. can \$2.50.

**Morton's Meat Pump.** Should be used to get a uniform cure from the rind to the bone. \$2.00.

### MORTON'S SAUSAGE SEASONING

Ready for use and makes delicious sausage. 10-oz. can 35c., 7½-lb. can \$2.50.

### KOW-KARE

This great tonic and conditioner supplies invigorating elements needed by freshening cows, promotes digestion and assimilation. Give Kow-Kare with the feed to promote vigor for low-cost production and cow health. 1¼-lb. pkge. 75c., 2¾-lb. pkge. \$1.35.

### BAG BALM

#### For Udder and Teats

Never be without this antiseptic ointment for quick healing of tender tissues. A potent aid in treating caked bag, inflammation, exterior teat and udder troubles and all farm healing. 10 oz. pkge. 75c.

### BAG BALM TEAT DILATORS

For spider, scabs, bruises, internal injuries, hard milkers. Smooth, ivory-like, cannot irritate or absorb pus infection. Pkge. of 25, 70c.

### SALT BLOCKS

In 50-lb. block; pure salt, 65c. each; sulphur, 85c. each.

### CRUSHED ROCK SALT

10-lb. sack 25c., 100-lb. sack \$1.50.

### Milk Cans

	20-qt.	30-qt.	40-qt.
New York Pattern..	\$6.00	\$7.00	\$8.00
Cleveland Pattern..	6.00	7.00	8.00

### Perfection Bottle-Carriers

Made of plain annealed steel bands. Will carry quarts, pints, and half pints.

#### 8-bottle size.

Pt. or qt. \$2.25 ea.

**Wyandotte Cleaner and Cleanser.** 5-lb. bag, postpaid 55c., keg (80 lbs.) \$4.90.

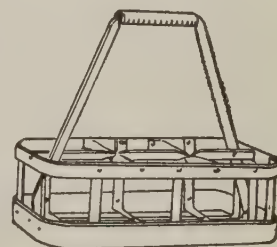
**Wyandotte Alkali Special Five Star.** 100 lb. keg \$6.15, 375-lb. bbl. \$20.00.

**S-H Sterilizer and Deodorant.** Qt. 90c., gal. \$2.00.

**Teat Tubes.** German silver. 25c.

**Wood, Brass-pointed Measuring-stick.** Each \$1.50.

**Milk-stirrers.** Each \$1.25.



### BARN EQUIPMENT STARLINE

**Unit System Stalls No. 13.** Arch with bottom bar, double chain fastening and partition, less stanchion \$13.50.

**Stanchions.** Steel, No. 1211. \$5.50.

**Stall Partitions.** For cement floor and wood upright, No. 1. \$3.00.

**Water Bowls.** No. 235, \$5.50, 1r \$4.20.

**Milk Stools.** Galvanized finish. \$2.50.

We are agents for the **Starline Barn Equipment.** Drawings and estimates cheerfully given. Write us for catalog and prices on full line of barn equipment.

### SAL-VET

#### Mineral Supplement for All Livestock

Contains the necessary minerals required by livestock; aids digestion, helps to keep them in healthy condition. Used and recommended by livestock feeders and breeders for over 40 years. 5-lb. pkg. 75c., 10-lb. pkg. \$1.20, 25-lb. pkg. \$2.50, 50-lb. bag \$4.50, 100-lb. bag \$7.50.

### PERFECTION DAIRY SALT

10-lb. sack 25c., 25-lb. sack 50c., 100-lb. sack \$1.75.

### DE LAVAL CREAM SEPARATORS AND MILKERS

The De Laval "Junior" Series is a quality line of low priced separators. They are most efficient and durable machines. They are finished in royal blue. "Junior" machines, smallest sizes, sold without stands for table use only.

**Junior No. 2**—Capacity 225 lbs. ....\$43.75

**Junior No. 4**—Capacity 400 lbs. with stand..... 64.75

**2-Unit Sterling Milker**.....289.50



# ROOT QUALITY BEE SUPPLIES

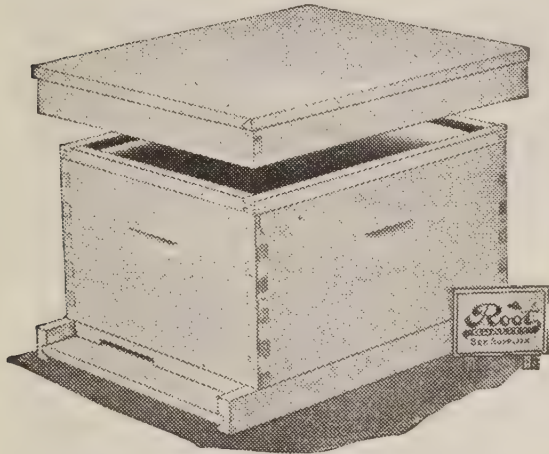
We carry this wonderful line of bee supplies and can guarantee satisfaction or your money back. The Root company is the recognized leader in this line of manufacture. We will gladly mail a 64-page catalog containing a number of pages of helpful information. Every article has been carefully tested over a number of years in the bee yards.

(ALL PRICES SUBJECT TO CHANGE WITHOUT NOTICE)  
HIVES AND SUPERS ARE KNOCKED DOWN (K. D.)

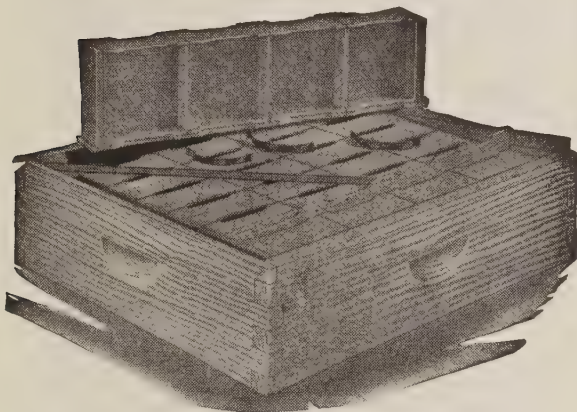


**Start Beekeeping  
—it Pays Well**

Root Quality Bee Supplies are well known and need no introduction to beekeepers. Every article is guaranteed to give you absolute satisfaction. If you do not find what you want listed on these two pages, write for complete catalog.

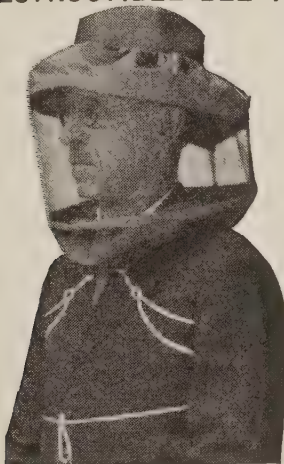


Standard 10 Frame Metal Cover Hive

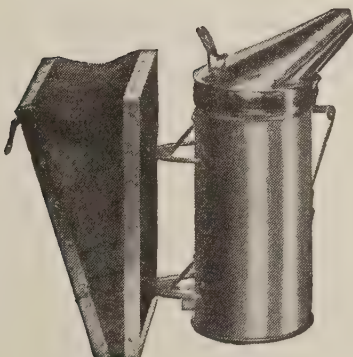


Beeway Super, 4 3/4 in. depth, holds 28 Honey comb sections, size 4 1/4 Sq. x 1 7/8 in.

## INDESTRUCTIBLE BEE VEIL



N-10



Standard Smoker

Cat. No. Quan. Wt. Price

**HIVES**  
A1 1 Std. Hive (Metal Cover) Long Top Bar.....31 \$6.95

**HIVE PARTS**  
B2 5 Metal Covers with inner covers...51 11.95  
B8 1 Inner Cover.....9 .75  
B9 5 Inner Covers.....12 3.25  
B13 5 Bottom Boards.....37 6.50  
B18 10 Entrance Closers......60  
B30 1 8 Wire Excluder.....1.30  
B35 1 7 Wire Excluder.....1.35  
B40 1 Unbound Zinc Excluder......85  
B41 10 Unbound Zinc Excluders.....8 8.25

**EXTRACTING SUPERS (Deep)**  
C1 1 Full Depth Super, Empty.....12 2.05  
C2 5 Full Depth Supers, Empty.....69 8.65

**EXTRACTING SUPERS (Shallow)**  
C12 1 Shallow Super, Empty.....5 1.20  
C17 1 Shallow Super with L. T. Frames. 9 2.25  
C13 5 Shallow Supers Empty.....45 5.45

**SECTION SUPERS**  
D1 1 Beeway Mty. Super.....5 1.10  
D5 1 Beeway Super with Fixture.....7 1.90  
D6 5 Beeway Super with Fixtures.....36 8.95

**SECTION FIXTURES**  
E1 10 Beeway Section Holders.....3 .65  
E3 100 Beeway Section Holders.....23 7.45  
E5 50 Plain 4 x 5 Section Holders.....19 4.95  
E12 10 End Stops......25  
E35 100 Super Springs.....1 1/2 1.30

**SECTIONS**  
F1 100 No. 1 4 1/4 x 4 1/4 x 1 7/8 in. Beeway....7 2.85  
F3 500 No. 1 4 1/4 x 4 1/4 x 1 7/8 in. Beeway....32 12.70  
F4 100 No. 4 1/4 x 4 1/4 x 1 7/8 in. Split.....7 3.15  
F6 500 No. 4 1/4 x 4 1/4 x 1 7/8 in. Split. Beeway.32 13.55  
F20 100 4 x 5 x 1 3/8 in.....6 2.75  
F22 500 4 x 5 x 1 3/8 in.....27 12.50  
F25 500 4 x 5 x 1 3/8 in. Split.....27 13.30

**FRAMES**  
G1 10 Std. Frames L. T.....5 1.40  
G2 50 Std. Frames S. T.....23 5.95  
G6 100 Std. Frames L. T.....45 11.50  
G10 100 Std. Frames S. T.....45 11.50  
G20 10 Shallow Frames L. T.....3 1.20  
G22 100 Shallow Frames L. T.....25 9.05  
G24 10 Shallow Frames L. T. Thick top 2 pc. btm. bars.....4 1.35  
G26 100 Shallow Frames L. T. Thick top 2 pc. btm. bars.....38 10.35  
G27 50 Shallow Frames L. T. Thick top 2 pc. btm. bars.....20 5.30  
G32 100 Shallow Frames L. T. 2 pc. btm. bars.....25 9.05  
G40 50 Half Depth Frames L. T.....13 4.70  
G50 100 Wedges for Std. Frames.....2 1.35

**FRAME WIRE**  
G61 1 1/4 lb. frame wire No. 28.....6 oz. .25  
G63 1 Lb. frame wire No. 28.....18 oz. .65

**BROOD FOUNDATION**  
Figures in parenthesis—Approximate Sheets per lb.  
H1 10 Sht. 3 Ply Standard 8x16 3/4 in. (7). 3 \$1.60  
H3 50 Sht. 3-Ply Standard 8x16 3/4 in. (7). 39 7.25  
H8 10 Sht. 3-Ply 8 9/16x16 3/4 in. (7). For 2-Pc. Bottom Bars.....3 1.60  
H11 200 Sht. 3-Ply 8 9/16x16 3/4 in. (7). For 2-Pc. Bottom Bars.....39 28.50  
H10 50 Sht. 3-Ply for 20-Pc. Bottom Bars... 7.30  
H22 50 Sht. Medium Brood 8x16 3/4 in. (8)... 6.20  
H20 10 Sht. Medium Brood, 8x16 3/4 in. (8). 2 1.35  
H24 200 Sht. Med. Brood, 8x16 3/4 in. (8). 27 24.25  
H26 10 Sht. Med. Shallow, 4 1/2 x 16 3/4 in. (14) 2 .80  
H30 400 Sht. Med. Shallow, 4 1/2 x 16 3/4 in. (14) 41 28.15  
H32 10 Sht. 10 Sht. Special, 8x16 3/4 in. (10). 2 1.05  
H36 200 Sht. 10 Sht. Special, 8x16 3/4 in. (10). 33 19.35  
H40 400 Sht. Light Shallow, 4 1/2 x 16 3/4 in. (17) 36 25.00

Cat. No. Quan. Wt. Price

**SUPER FOUNDATION**  
Figures in parenthesis—Approximate Sheets per lb.

J1 1 Thin Regular 3 7/8 x 15 3/4—4 1/4 in. Sections (28).....2 \$1.15  
J3 5 Thin Regular 3 7/8 x 15 3/4—4 1/4 in. Sections (28).....29 5.45  
J6 1 Thin 4 1/8 x 17—4 1/4 in. Split Sections (25).....2 1.15  
J8 5 Thin 4 1/8 x 17—4 1/4 in. Split Sections (25).....29 5.45  
J12 1 Thin 3 5/8 x 14 1/4—4x5 in. Sections (34).....2 1.15  
J14 5 Thin 3 5/8 x 14 1/4—4x5 in. Sections (34).....29 5.45  
J17 1 Thin 4 7/8 x 16—4x5 in. Split Sections (22).....2 1.15  
J19 5 Thin 4 7/8 x 16—4x5 in. Split Sections (22).....22 5.45  
J22 1 Thin Shallow 4 1/2 x 16 1/2 in. Frame (24).....2 1.15  
J24 5 Thin Shallow 4 1/2 x 16 1/2 in. Frame (24).....29 5.45  
J27 1 Thin Shallow 5x16 1/2 in. 2 Pc. Btm. (22).....2 1.15  
J29 5 Thin Shallow 5x16 1/2 in. 2 Pc. Btm. (22).....29 5.45  
J32 5 Bulk Comb 4 1/2 x 16 1/2 in. (20)....7 5.25  
J36 5 Bulk Comb 5x16 1/2 in. (18).....7 5.25

**EXTRACTORS**  
L35 1 3-frame Novice, hand power (Electric see L65).....52 28.60  
L15 1 2-frame Reversing 9 1/2 x 16 in. Pocket.....100 52.65  
L65 1 Drive for L35 extractor.....8 5.55  
L70 1 Drive for L15 extractor.....8 6.10

**SMOKERS**  
N2 1 Junior Smoker.....2 1.55  
N3 1 Standard Smoker.....2 1.85  
N5 1 Jumbo Smoker.....3 2.15  
N7 1 Big Jumbo Smoker.....9 2.85

**VEILS**  
N10 1 Indestructible Veil.....1 1.40  
N11 1 Alexander Veil.....1 1.45  
N12 1 Delphos Steel Veil.....1 1.75  
N18 1 Collapsible Hat.....4 oz. 1.95

**BEE GLOVES**  
N22 1 Pair Leather Bee Gloves (large)... 2 3.25  
N24 1 Pair Drill Bee Gloves (small).....1 1.45  
N25 1 Pair Drill Bee Gloves (medium)... 1 1.45  
N26 1 Pair Drill Bee Gloves (large).....1 1.45

**UNCAPPING TOOLS**  
N30 1 Steam uncapping knife 10 in....2 6.85  
N31 1 4 ft. Steam hose and clamps.....1 .55  
N35 1 plain uncapping knife 8 1/2 in....1 1.95  
N36 1 plain uncapping knife 10 in....1 2.20  
N37 1 Electric Uncapping knife.....4 15.00  
N51 1 Steam Boiler (2 gal.).....3 4.95

**FOUNDATION WIRING AND IMBEDDING TOOLS**

N63 1 Wax Tube Fastener.....5 oz. \$0.55  
N65 1 Spur Wire Imbedder.....8 oz. .35  
N66 1 Electric Imbedder.....8 oz. 1.80  
N68 1 Inexpensive Wiring Outfit.....1 .95  
N69 1 Wiring Board.....9 4.95  
N70 1 Combined Frame Wirer and Imbedder.....10 7.95  
N74 1 Resistance Coil.....2 1.75  
N75 1 Hand Section Press.....1 1/4 .95  
N76 1 Split Section Device.....3 1.10  
N77 Metal Eyelets 1000, wt.....3 oz. .45  
10,000, wt.....1 1/2 4.25  
N79 1 Hand Punch for eyelets.....3 oz. .25

**HAND TOOLS AND ACCESSORIES**  
N80 1 Hive Tool, 8 in.....4 oz. .75  
N81 1 Hive Tool, 10 in.....6 oz. .95  
N85 1 Bee Brush.....4 oz. .55  
N90 1 Handy Section Scraper.....3 oz. .30



# INSECTICIDES and FUNGICIDES

## PRICES SUBJECT TO MARKET CHANGES

**PLEASE NOTE.**—Price and Items listed herein are offered subject to Government Regulations, Priorities and our ability to procure stock. In ordering state second choice.

**Acme Bait-M with Metaldehyde.** Is an attractive insect bait for plant protection. Contains metaldehyde, the marvelous new discovery for control of snails and slugs. Lb. 35c., 2½ lbs. 75c.

**Antrol.** A syrup for control of ants. Filled feeders 10c., 4-oz. syrup 20c., pt. 49c.

**Antrol Ant Traps.** .....\$0.15

**Antrol Ready Filled Sets,** 4 to pkt... .39

**Antrol Ready Filled Feeders.** ..... .10

**Antrol Refills.** 2 oz..... .10  
4 oz..... .20

**Aquelia.** Stops water leakage, dampness and seepage for exterior and interior porous masonry surfaces. Easy to apply. 8½-lb. bag makes 1 gal. of mix, \$3.95.

**Copper Solution, Ammoniated (COSOL).** A concentrated fungicide. ½ pt. 60c., pt. \$1.00, qt. \$1.50, gal. \$5.00.

**Cuprinol.** A ready to use water preservative for wood, fabric and rope. **Green or Clear** for wood; **Clear** for fabric. Qt. \$1.45, gal. \$3.90, 5 gals. \$3.65 gal., 50 gals. \$3.50 gal.

**Arsenate of Lead (Powdered).** Standard spray for leaf eating insects. Lb. 60c., 3-lb. bag \$1.35, 4-lb. bag \$1.80.

**Arsenate of Calcium.** Lb. 25c., 4 lbs. 70c.

**B-B Bean Beetle Dust.** For control of Bean beetles. 5 lbs. 90c., 25 lbs. \$3.75, 50 lbs. \$7.50.

### Bed Bug and Roach Killers:

**Feno.** For bed bugs. Pkt. 35c., qt. 60c.

**Dead Shot.** ½ pt. 15c., pt. 25c., qt. 45c.

**Traeger's Roach Powder.** 4-oz. can 35c., 5-lb. can \$7.50.

**Black Leaf 40** (Standard Nicotine Spray). Oz. 36c., 5 oz. \$1.05, lb. \$2.42, 5 lbs. \$7.40, 10 lbs. \$12.65, 50-lb. drum \$53.00.

**Blue Stone** (Copper Sulphate). Crystals. Lb. 15c., 10 lbs. \$1.25, 100 lbs. \$10.00.

**Bordeaux Mixture** (Powder). For control of blights. Lb. 40c., 4 lb. bag \$1.00.

**Calcium Chlorate.** Kills weeds including Poison Ivy. Lb. 17c., 100 lbs. \$15.00.

**Carbon Disulphide.** For control of grain weevils, woodchucks, mice, etc. Lb. 60c., 5 lbs. \$2.00, 100 lbs. \$30.00.

**Cyanogas** (Calcium Cyanide) G. A powerful fumigant for mills, etc. A dust for vermin control. Lb. 98c., 5 lbs. \$3.75.

**Formaldehyde.** Pt. 50c., qt. 90c., gal. \$3.25.

**Formacide.** Controls damping-off. ½ lb. 50c., lb. 85c., 5 lbs. \$2.50, 25 lbs. \$10.00, 50 lbs. \$17.50.

**Fruitone.** A hormone spray for stopping preharvest drop. 2 ozs. \$1.00, 12 ozs. \$5.00.

**Fumetobac** (For burning). A high nicotine contact tobacco dust. 100 lbs. \$14.50.

**Funtrogen.** A highly concentrated fungicide. Controls black spot. ½ pt. 75c., pt. \$1.25.

**Garden Guard (Rotenone).** A combined insecticide and fungicide. 1-lb sifter can 45c. Pump gun 60c. 4-lb. bag 90c., 50-lb. bag \$9.00.

**Grafting Wax.** ¼ lb. 30c., ½ lb. 45c., lb. 70c.

**Kryocide D50.** With sulphur. Lb. 50c.

**Lethane Spreader.** Gal. \$1.80.

**Lime Sulphur Solution** (Liquid). Qt. 65c., Gal. \$1.50, 5-gal. drum \$2.50.

**Lime Sulphur** (Dry Powder Form). Lb. 45c., 5-lb. bag \$1.95.

**Liquid Slug Shot.** A concentrated spray of Rotenone and Pyrethrum. Oz. 35c., 4 ozs. \$1.00, pt. \$2.60, qt. \$4.50.

**Lucky Strike Garden Spray.** A Pyrethrum Rotenone Spray. Oz. 35c., ¼ pt. \$1.00, ½ pt. \$1.60.

**N-N-OR (Rotenone Garden Spray).** Oz. 35c., 6 ozs. \$1.00, 16 ozs. \$2.15.

**Napthalene Crystals for Moths and Treating Gladiolus Bulbs for Thrips.** Lb. 25c., 5 lbs. \$1.00.

**New Evergreen Spray with Rotenone.** Deadly to all insects. Oz. 35c., 6 ozs. \$1.15.

**New Lethane 440.** Highly concentrated, effective insecticide. Oz. 35c., qt. \$2.00, gal. \$5.50.

**Nico-Fume (Liquid).** 8 lbs. \$11.59, 40-lb. drum \$51.60.

**Nico-Fume Pressure Fumigator.** ½ lb. can 50c., lb. can 85c., 12 1-lb. cans \$8.35.

**Paradichlorobenzine.** For Peach tree borers and moths. Lb. 50c., 5 lbs. \$1.75, 50 lbs. \$11.00.

**Para Scalecide.** For Peach tree borers and moths. Qt. \$1.25, gal. \$2.90.

**Paris Green.** ¼ lb. 30c., ½ lb. 35c., lb. 60c.

**Pomo-Green with Nicotine.** The leaf-green Dust or Spray. Lb. \$1.05, 5 lbs. \$3.85.

**Pyrox** (Nicotine). Kills both chewing and sucking insects and diseases. 20 oz. 58c., 5 lbs. \$2.00, 10 lbs. \$3.00.

**Red Arrow Garden Spray.** Kills many sucking and chewing insects. Oz. 35c., ¼ pt. \$1.00, pt. \$2.85, qt. \$5.00, gal. \$18.20.

**Rotocide.** A standard Rotenone spray. Kills by contact and through stomach. Oz. 35c., 8 ozs. \$1.00.

**Scalecide.** A dormant oil spray for scale insects. Qt. \$1.00, gal. \$2.40, 5 gals. \$8.10.

**Slug Shot Dust.** Old Standard remedy for control of many insects. Lb. 40c., 5 lbs. \$1.65, 25 lbs. \$5.00.

**Sulfocide.** A better Summer spray for trees and shrubs. Pt. \$1.00, qt. \$1.45, gal. \$3.00.

**Sulphur.** Commercial Flour Sulphur. 99.5% pure. Lb. 10c., 10 lbs. 70c., 100 lbs. \$4.50.

**Sulphur, Wettable.** An improved dusting sulphur and liquid spray. 2-lb. carton 42c.

**Terro Ant Killer.** Quick, sure, simple. Very effective. 25c. and 50c. bottles.

**Tersan** for Golf and Lawn turfs. 8-oz. can 80c., 5-lb. can \$5.16.

**Tobacco Dust.** Repellent for most insects. Lb. 10c., 5 lbs. 35c., 100 lbs. \$4.00.

**Tomato Dust.** Lb. sifter package 50c., 4-lb. bag \$1.15.

**To-Na-Cide.** Used as a soil treatment for thrips and worms. 5 lbs. \$1.25, 25 lbs. \$5.00, 100 lbs. \$17.00.

**Tree Tanglefoot.** A paste preparation for banding trees. 6 ozs. 45c., lb. 80c., 5 lbs. \$3.75, 10 lbs. \$7.00.

**Tree Wound Paint.** Prevents decay after pruning. ½ pt. 65c., pt. \$1.20, qt. \$2.10, gal. \$6.50.

**Tri-Ogen.** Triple acting spray for Rose and other flowers. 90c., \$1.50, \$4.00, \$6.00.

**"Volck"** kills by contact. It envelopes the insect, or its eggs and smothers by clogging up the breathing system. Sap-sucking insects and mites like scale, white fly, mealy-bug and red spider are more effectively controlled with a spray embodying these qualities. 4 ozs. 35c., pt. 70c., qt. \$1.25.

**Fermate.** A new fungicide for the disease control on fruit trees, celery, tomatoes, blackspot on Roses, leafspot on Chrysanthemums, rust on Snapdragons and Tulip blight. 8-oz. can 75c., 3 lbs. \$2.75.

**Zinc Kolowettex.** A special Peach spray containing Bentonite Sulphur, Lead Arsenate and Zinc. 8½ lb. bag \$2.25.

**Dinitro Dry (Wettable).** A dormant spray for the control of aphids, bud moth, San Jose scale, red spider and European red mite. 1 lb. 75c., 2½ lb. bag \$1.75.

**Krenite (DuPont) water soluble Dinitro.** Dormant spray for orchard crops, small fruits and ornamentals. 1 gal. \$3.25.

**Manganese Sulphate.** Used as a spreader and sticker for other insecticides and fungicides. 1 lb. 15c.

**Zinc Sulphate.** A spreader and sticker. 1 lb. 15c.

**Soy Bean Flour.** A spreader and sticker. 1 lb. 15c.

**Paste Oil Emulsion.** Used as a dormant spray for the control of over wintering insects, fungus, scales, bud moths, leaf rollers and pear psylla. 50 gal. drum \$35.00.

**Loro (DuPont).** Gal. \$10.00.

**Basic Lead Arsenate** is a practical and economical poison to use on Peach trees and other trees and shrubs subject to injury by other types of Lead Arsenate. 4 lb. bag \$2.00.

**No. 1000 Dust (Lucky Strike—1% Rotenone "Pure").** For general garden dry dusting or wet spraying. Manufactured purposely for those desiring a fine garden insecticide which eliminates any danger of injury to plants or user. Especially effective against Mexican Bean Beetles, cabbage worms, and insects affecting vine crops such as cucumbers, squash, melons, etc. 1 lb. 50c., 5 lbs. \$1.50.

**No. 500 Dust (Lucky Strike Rose Dust).** Containing Fermate, Rotenone, Pyrethrum, DDT and Sulphur—specific for fungus disease and insects on Roses, Perennials, Annuals and vegetables. Lb. \$1.00.



## D. D. T.

### Dichloro-Diphenyl-Trichloroethane

Use DDT as effective plant spray or dust against Japanese Beetle, Colorado Potato Beetle, Pea Weevil, Cabbage Caterpillars, Leaf Hoppers, etc.

For Live Stock and stable use against Horn Flies, Common Flies, Lice and Fleas. For household use, Flies, Moths, Bed Bugs, Fleas, Ants, Roaches and other household pests.

**FRUIT AND VEGETABLE SPRAY.** A 50% DDT wettable powder for use in the control of flea beetles, Colorado potato beetles, and leaf hoppers on Potatoes, worms on Cabbage, thrips on Onions and Gladiolus, leaf hoppers on Grapes and Roses, and codling moths on Apples and Pears. Lb. can 60c., 3-lb. bag \$1.40.

**BARN AND STOCK SPRAY.** A 50% DDT wettable powder, very effective for the control of horn flies, stable flies, lice and fleas on livestock. It is also recommended as a residual spray for barns, chicken houses, pig sties, and outbuildings for the control of flies, mosquitoes, lice and fleas. Lb. can 65c., 3-lb. bag \$1.50.

**FRUIT, VEGETABLE AND FLOWER DUST.** Contains 3% DDT. For use in the control of Japanese beetle, flea beetle, plant bugs, leaf hoppers, Rose chafer, Grape berry moth, European Corn borer and certain other chewing and sucking insects on fruits, vegetables, flowers and ornamentals. Lb. sifter top can 40c., 4-lb. bag 85c.

**B-H-C HOUSEHOLD SPRAY.** Contains Gamma Isomer of Benzene Hexachloride refined plus DDT. Controls flies, roaches, mosquitoes, moths and other household pests. This is a liquid spray; will not leave an unsightly residue if used as directed. It is recommended for use in homes, hotels, restaurants, stores, etc., for insect control. Pt. can 50c. each, qt. can 75c. each, gal. can \$2.40 each.

**B-H-C APHIS DUST or SPRAY.** Contains 1.2% Gamma Isomer of Benzene Hexachloride refined. A new formulation for aphis control. For the use in control of aphis on Tomatoes, Cucumbers, Melons, Cabbage, Tobacco, spittle bug on Strawberries, Japanese beetle, and certain other chewing insects on fruits, vegetables, flowers and ornamentals. Lb. can 65c. each, 4-lb. bag \$1.90 each.

**COCS Copodust.** Dust only for use in the control of early and late blights on Tomatoes, Potatoes, Celery and other fungus diseases on vegetables and ornamentals. For use as a fungicide only. Contains no lime. Do not use on Beans. An excellent dust for blight on Tomatoes. Lb. canister 40c. each, 5-lb. bag \$1.05 each.

**PRATT'S 25% DDT.** A liquid Dichloro-Diphenyl-Trichloroethane spray in a glyceride oil base. For use in spraying fruits, vegetables and flowers. Also used for spraying barns, dairies and outbuildings as a residue fly spray. Non-inflammable. 1½ ozs. 35c., ½ pt. 75c., qt. \$1.50, gal. \$4.50.

**PRATT'S D-X SPRAY WITH DDT.** A concentrated plant spray containing 1% rotenone, .37% pyrethrins, and 5% DDT in an active glyceride oil base. Controls sucking and chewing insects on fruits, vegetables and flowers. Used in the same way that D-X has long been used. Contains more rotenone and pyrethrum (as well as DDT) than pre-war D-X. A powerful garden spray. ½ oz. 50c., ½ pt. \$1.75, qt. \$5.25.

**POTATOX POTATO DUST or SPRAY.** Contains 5% DDT, an arsenical and copper. A combined insecticide and fungicide for use as a dust or spray in the control of bugs and blight on Potatoes and other vegetables having hardy foliage. Lb. can 60c., 4 lbs. \$1.65.

**KOLO FRUIT TREE DUST or SPRAY.** Contains DDT, basic lead arsenate and Kolo sulphur. A combined insecticide-fungicide formulated for insect and disease control after the dormant stage. Used on Apples, Peaches, Pears, Plums, Prunes and certain ornamentals. Lb. bag 55c., 3-lb. bag \$1.35.

**KOLO SPRAY.** For use as a fungicide for the control of such diseases of fruit trees as respond to treatment with uncombined sulphur. 5 lb. bag 75c.

**KOLO FOG.** A mild sulphur fungicide when diseases are under control and the continuous use of a mild sulphur is desired for protection. 6-lb. bag \$1.00.

**KOLO SULPHUR ROTENONE-BEARING DUST.** Contains .75% rotenone plus Bentonite sulphur. A combined insecticide-fungicide dust for flowers and vegetables, greenhouse plants, ornamentals and shrubs. For use in the control of Mexican Bean beetles, worms on Cabbage and Cauliflower. Lb. sifter-top can 50c., 4-lb. bag \$1.30

**COCS COPPER MILDEW SPRAY.** Effective in the control of early and late blight on Potatoes and Tomatoes, leaf spot on Celery, Beets and Carrots. Lb. can 65c., 3-lb. bag \$1.40.

**COCS CUKE AND MELON DUST.** A combined insecticide and fungicide, containing calcium arsenate and copper for the control of insects and diseases. Lb. bag 40c., 4-lb. bag \$1.00.

**COCS COPPER-ROTENONE BEARING DUST.** .75% rotenone and copper as a fungicide for the control of such diseases as mildew, leaf spot and blight and chewing insects on vegetables, flowers and ornamentals. Lb. sifter-top can 55c., 4-lb. bag \$1.45.

**ROTENONE BEARING DUST.** Contains .75% rotenone. For use in the control of Mexican Bean beetles, worms on Cabbage and Broccoli, Pea aphid, Asparagus beetles and certain chewing and sucking insects on vegetables and ornamentals. Lb. sifter-top can 45c., 4-lb. bag \$1.00.

**DOW'S 2,4-D POWDER.** 4-oz. can \$1.40, 20-oz. can \$3.20, 50-lb. drum, \$2.10 per lb.

**DOW'S 2,4-D LIQUID.** Pt. can \$2.10, qt. \$3.85, gal. \$9.15, 5-gal. drum \$8.90 per gal.; 50-gal. drum, \$8.75 per gal.

**INSECT POWDER.** A 10% DDT dust for use in the control of roaches, ants, water bugs, fleas, carpet beetles, silverfish, and other crawling insects. For use in homes, stores, warehouses, restaurants, offices, and wherever else pests are found. 8-oz. sifter-top can 35c., 1b. sifter-top can 60c.

**CHLORDANE DUST or SPRAY.** Contains 6% Chlordane. For use in the control of grasshoppers, blister beetles, leaf miners, mole crickets, Japanese beetles and certain other turf insects. Also ants and roaches in the lawn and home. Lb. can 50c. each, 4-lb. bag \$1.40 each.

## 2,4-D

### Dichlorophenoxyacetic Acid

**2,4-D WEED KILLER (NIAGARA).** A dry, wettable powder containing 70% active 2,4-D for lawns, parks, golf courses, fence rows, ditches, pastures, etc. It eliminates dandelions, plantain, poison ivy, pig weed, rag weed and many other troublesome weeds without injury to grasses. ¼ lb. can \$1.00.

**THE NEW IMPROVED WEEDONE.** Contains the powerful 2,4,5-T and 2,4-D, the two most effective chemicals for killing lawn weeds, poison ivy and over 90 other weeds and woody plants *without killing the grass.* Non-poisonous to animals or humans. Kills a greater variety of lawn weeds and woody plants than any products containing only one of these chemicals. Does not give off vapors that cause injury to flowers or ornamentals. Prevents resprouting of tree stumps. The only *All-purpose* weed killer. 8-oz. can \$1.00, qt. can \$2.75, gal. can \$6.95, 5-gal. can \$25.00.

**WEEDAR 64.** A 2,4-D formulation for control of weeds in cereal crops and easy to kill weeds in turf or pasture. Gal. \$7.25.

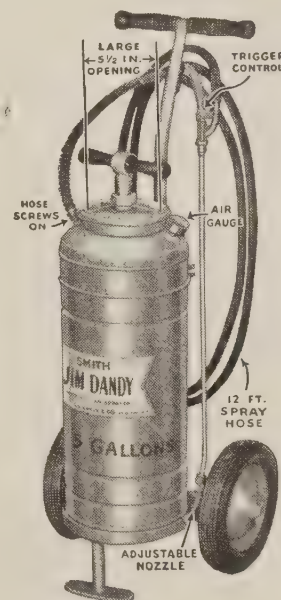
**WEEDONE BRUSH KILLER 32.** This material is especially formulated for killing woody plants and treating stumps of cut trees to prevent regrowth. It should be used wherever such a problem is present. Qt. \$4.00 each, gal. \$9.25 each.

**2,4-D WEED KILLER.** Contains 80.5% of 2,4-D. A dry, wettable powder. Kills Dandelion, Plantain, Poison Ivy, Pigweed, Ragweed, Bindweed and many other troublesome weeds in lawns, parks, golf courses, fence rows, roadsides, ditches, pastures, etc. Two level teaspoonsful will make 1 gallon of spray which will cover 250 square feet. 4-oz. canister \$1.00 each, 20-oz. canister \$2.60 each, 10-lb. drum \$17.00 each. A Niagara product.

**PURATURF.** Organic Mercury compound for use in the control of turf diseases. ½ pt. bottle \$1.65, ½ gal. bottle \$10.00.

**PURATURF (Crab Grass Killer).** 8½ oz. 85c., 16 ozs. \$1.65, ½ gal. \$5.45.

To control grubs in turf use **Arsenate of Lead, 5% DDT, Chlordane.**



**JIM DANDY CART SPRAYER \$32.00**



# SEED DISINFECTANTS

## Increase Crop Profits

## Reduce Disease Losses

### New Improved CERESAN

Effective against bunt or stinking smut of wheat; loose and covered oat smuts; black loose smut, covered smut and stripe of barley; kernel smuts of sorghums; and seedling blight. 4 ozs. 45c., lb. \$1.00 4 lbs. \$3.40.



### New Improved SEMESAN BEL

Quick dip treatment; effective against seed borne scab and Rhizoctonia. Costs only 1½c. to 3c. a bu. 2 oz. 50c., lb. \$2.00, 4 lbs. \$6.33.

**Ceresan\* M** generally controls covered smut, black loose smut and stripe of barley; oat smuts and the new oat blight (Helminthosporium blight); stem and covered smuts of rye; loose and covered kernel. Seed-borne stinking smut and scab seedling blight of wheat. 14 ozs. \$1.00, 3 lbs. \$2.85. \*Reg. U. S. Pat. Off.



**SEMESAN.** Controls many seed-borne diseases, reduces seed decay of vegetable and flower seeds at the amazingly low cost of only ¼c. to 1c. a lb. Also valuable for watering the seed bed or flats to control damping-off. ⅓ oz. 20c., 2 ozs. 60c., 12 ozs. \$2.40, 4 lbs. \$11.00.

**Special Semesan.** This chlorophenol mercury and cresol mercury fungicide is for use in preventing and controlling brown patch and dollar spot of lawns and golf greens. 1 lb. treats 6000 sq. ft. of turf. Lb. \$2.00, 4 lbs. \$6.92, 25 lbs. \$39.96.

### ARASAN

For Corn, Peanuts and certain vegetables. A new treatment for a wide variety of vegetable seeds. This organic seed disinfectant and protectant, provides a means of combating the ever present problem of securing full stands of vigorous, healthy, normal seedlings. Prevents seed decay caused by fungi and bacteria. ¾ oz. 25c., 8 ozs. 80c., 4 lbs. \$5.16.

### PARACIDE

(Para-Dichlor Benzene)

Kills the peach tree borer, controls moth in carpets, furniture and clothes. Lb. 50c., 5 lbs. \$1.75.

### SPROUT INHIBITOR DUST

2.2% Methyl Ester Alpha Naphthalacetic Acid mixed with a carrier and used as a dust on a variety of stored vegetables, particularly Potatoes, to reduce sprouting and shrinkage. 1 lb. treats 11 bushels of Potatoes. Lb. \$1.25.

### CARBON DISULPHIDE

For the extermination of Woodchucks, Ground Squirrels, Moles and Mice. Recommended by most Experiment Stations for the control of the Weevil in stored grain and seeds. Lb. 50c., 5 lbs. \$1.75.

### DORMATONE

Hormone Sprout Inhibitor

Prevents sprouting softening, shriveling of Potatoes. Cuts down weight loss and shrinkage by as much as 10 to 15%. 12 ozs. \$1.00, 5 lbs. \$5.50, 20-lb. drum \$16.00.

### CORROSIVE SUBLIMATE

(Bichloride of Mercury)

The best spray material for controlling root maggots on Cabbage. Use 1 oz. to 12 gals. of water and apply frequently to the young plants. See your local Farm Bureau for full directions. ¼ lb. 75c., lb. \$2.50.

### FORMACIDE

(Stabilized Formaldehyde Dust)

For sterilizing soil and for treating seeds to prevent seed-borne fungous diseases. A great aid in the control of "damping-off" of seedlings, also root and stem rots. Use 8 ozs. to a bushel of potting soil or 1½ ozs. per square foot, in beds, benches, or flats. ½ lb. 50c., lb. can 85c., 5-lb. can \$2.50, 25 lbs. \$10.00, 50 lbs. \$17.50.

**New For Seedless TOMATOES**  
**Weeks Earlier**  
**SEED-LESS-SET**  
HORMONE SPRAY



Spray the  
Flowers  
That's all!

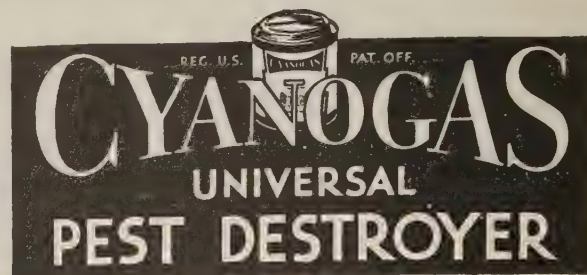


Every Gardener Needs

**Seed-less-Set** is a new scientific hormone combination sold under license. Produces **earlier** better Tomatoes, Peppers, Egg Plants etc., **without seeds**. Spray the flowers—that's all. ½ pt. \$1.00.

### APP-L-SET

**App-l-set** contains the sodium salt of 1-Naphthaleneacetic Acid, a plant growth regulator, found effective by the United States Department of Agriculture in delaying fruit drop, especially of Apples and Pears. 4 ozs. \$1.50.



**Greenhouse Pests.** Cyanogas G-Fumigant, when exposed to air gives off a gas destructive to all plant insects.



It is the most generally used insecticide in greenhouses. It is the most economical of all greenhouse insecticides, and for fumigating Mills, Warehouses, homes for rats and all kinds of weeds, and is completely effective and very easy to use. 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30.00.

**Other Pests.** Such as fleas, bees, bats, squash-bugs, cucumber beetles, termites, etc., are easily controlled with Cyanogas. Leaflets containing instructions on the control of practically all pests are available.

**Ants.** Simply enlarge entrances of nest with long-shank screwdriver or pointed stick. Adjust spout of can and allow a small amount of Cyanogas to flow into the enlarged hole. The worker ants and Queen are killed immediately with Cyanogas. Special 4-oz. and container 39c.

**Rats.** Cyanogas is not a bait. It is different. Simply pump it into rat burrows or hide-outs, it seeks the rats and kills them instantly. Lb. 98c., 5 lbs. \$3.75, 25 lbs. \$12.50, 100 lbs. \$30.00.

### WEED KILLERS

**Liquid Weed Killer.** A powerful chemical solution for destroying undesirable vegetation of all kinds on roadways, paths, gutters and tennis courts. Dilute at the rate of 1 part to 40 parts of water. Qt. 70c., gal. \$2.00, 5 gals. \$9.00.

### AMMATE

(Ammonium Sulfamate)

**Ammate** is based on a new Du Pont chemical, Ammonium Sulfamate, which has been field tested for the control and eradication of many troublesome weeds. **Ammate** is very desirable for the eradication of poison-ivy and many other troublesome weeds. It is non-poisonous, non-inflammable and is exceptional in that it exerts only temporary soil sterilizing effects. 2 lbs. 85c., 6 lbs. \$2.25, 50 lbs. \$13.00.

### SELTOX

A selective crab grass killer. Not only kills but retards new growth. 8 ozs. \$1.00, 16 ozs. \$1.50, 1 qt. \$2.50, ½ gal. \$4.50, gal. \$8.00.

### END O WEED

New, improved weed-killer, dooms weeds to certain death . . . roots and all. **End o Weed** is so simple to use. Merely dilute it with water and apply with any type spraying equipment. It completely destroys over 50 different weeds without harming ordinary grass. Comes in all popular sizes. The 8 ounce package treats 2,000 square feet of lawn area. ½ pt. \$1.00, qt. \$2.75, gal. \$7.50.



## FERTILIZERS and PLANT FOODS

**Acid Phosphate or South Carolina Rock.** 20 per cent. Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid content. 100 lb. bag \$2.50.

**Adco.** Don't waste garden rubbish. Turn it into manure with Adco. Adco is a powder which, mixed with almost any non-woody vegetable waste and kept wet, gradually converts it into manure. 25 lbs. of Adco makes  $\frac{1}{2}$  ton of manure.  $7\frac{1}{2}$  lb. pkg. \$1.25, 25 lbs. \$2.50.

**Aluminum Sulphate** (For Rhododendrons and Azaleas). Lb. 20c., 5 lbs. 75c., 10 lbs. \$1.25.

**Asparagus Salt.** Applied in Spring 600 to 800 lbs. per acre; for destroying weeds. 10 lbs. 25c., 50 lbs. \$1.00, original sack 100 lbs. \$1.75.

**Blood, Dried.** For indoor and outdoor culture of flowering plants, like Roses, Carnations, etc., its chief element being nitrogen. Fine for Ferns. Lb. 15c., 5 lbs. 75c., 10 lbs. \$1.25, 25 lbs. \$2.50.

**Bonemeal, Steamed (2.47-5).** A pure soft bone, splendid for building up worn-out soil, lawns, etc. Lb. 15c., 10 lbs. 90c., 50 lbs. \$3.50, 100 lbs. \$6.75.

**Bovung.** Plain, dried cow manure; absolutely free of live weed seeds. Will not burn. 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

**Compo.** Compost developer, makes organic fertilizer.  $7\frac{1}{2}$ -lb. size \$1.25 (makes 375 lbs. organic manure); 25-lb. size \$2.50 (makes 1,250 lbs. organic manure).

### COMMERCIAL FERTILIZERS

**Farm Grain Fertilizer (4-12-4).** A balanced commercial fertilizer for the growing of corn, oats and other farm grain crops. 100-lb. bag \$3.25, ton \$48.00.

**General Garden Fertilizer (5-10-5).** Specially formulated to stimulate deep root growth, high grade and generous production of fine, compact flowers and vegetables. An excellent all round fertilizer for the garden. Use at the rate of 1000 lbs. per acre. Used between the rows when plants are growing. 4 lbs. per 100 ft. Nitrogen 5 per cent. Available phosphoric acid 10 per cent. Potash 5 per cent. Apply 100 lbs. to 5000 sq. ft. (50 x 100). 5 lbs. 30c., 10 lbs. 50c., 25 lbs. \$1.25, 50 lbs. \$2.00, 100 lbs. \$3.75, ton \$55.00.

**Potato Fertilizer (3-12-6).** A scientific balanced commercial fertilizer for growing Potatoes and other root crops. Apply 800 lbs. per acre. 100 lbs. \$3.50, ton \$50.00.

**Cotton Seed Meal.** Very rich in potash and ammonia. Fine for Rhododendrons and Azaleas. Lb. 15c.

**Cow Manure Pulverized** (Wizard Brand). For garden, lawn and greenhouse, and especially good to mix with compost. 10 lbs. 80c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

**Kalnit** (Potash Salts). Fine for Asparagus. Lb. 10c., 10 lbs. 50c., 25 lbs. \$1.00, 100 lbs. \$3.00.

**Lime, Hydrated or Powdered.** Promotes growth and gives the grass a rich color. Apply 1 ton per acre on fields, or  $\frac{1}{2}$  ton on lawns. 10 lbs. 30c., 50 lbs. 80c., ton \$26.00.

**Milorganite.** Is a natural organic plant food, not a synthetic fertilizer. It is rich in organic nitrogen and the rare elements. Produced by scientific processes, it is free from weed seeds and harmful organisms of all kinds. Easy to apply—non burning—long lasting. 100 lbs. \$3.95, 50 lbs. \$2.40, 25 lbs. \$1.35.

**Muriate of Potash.** Analysis, equal to 50 per cent actual potash. Lb. 10c., 3 lbs. 25c., 5 lbs. 50c., 10 lbs. 85c., 100 lbs. \$4.50.

**Nitrate of Soda.** Apply 100 to 150 lbs. per acre, mixing with acid phosphate or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. Lb. 15c., 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.75, 100 lbs. \$4.50.

## PEAT MOSS

**Peat Moss** (Granulated). The ideal mulch for most flowers, plants, shrubs, trees, lawns, etc. Absolutely odorless. Keeps weeds down to minimum, makes beds look attractive. Large bales \$5.00, small bales \$3.50.

**Sheep Manure** (Wizard Brand). Apply 1000 lbs. per acre. The analysis shows it to be the most perfect balanced plant food. For garden, lawn or greenhouse, nothing surpasses sheep manure. It is clean and easily handled. Gives immediate results. 5 lbs. 45c., 10 lbs. 80c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.00.

**Sulphate of Ammonia.** Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired. Will stimulate growth almost immediately. 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.25, 50 lbs. \$2.25, 100 lbs. \$4.50.

**Sulphate of Potash.** Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for roots and grain crops. Analysis equal to 50 per cent of actual potash. 5 lbs. 50c., 10 lbs. 90c., 100 lbs. \$4.50.

**Hy-Gro (13-26-13).** A new soluble plant-food for outdoors or indoors. 3 ozs. 25c., 20 ozs. \$1.00, 10 lbs. \$4.00.

**Hyponex.** Plant food complete and balanced clean odorless soluble powder, Vitamin B1 added. Oz. 10c., 3 ozs. 25c., lb. \$1.00.

**G & F Fertilizer.** 25-lb. bag \$1.95, 100-lb. bag \$6.00.

**G & F (Greens and Fairways Fertilizer) 10-6-4.** Nothing excels it for making grass thrive or for building a basic root system that insures tough, rugged fairway turf and close knit, carpet-like greens. An ideal mixture for growing thick, velvety lawns with lively color and long lasting beauty. 25 lb. bag \$1.70, 100 lbs. bag \$5.00.

## MAKE LAWN CARE EASIER

Less weeding—less work—and by far a better lawn. Use a complete plant food to furnish your lawn with all of the elements necessary for finest growth. Feed early, feed often—you'll profit with less work and better results.

# VIGORO

Complete Plant Food  
A Product of Swift & Company

**Vigoro.** For lawns, flowers, shrubs, trees, commercial growers and farmers. 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.60, 50 lbs. \$2.65, 100 lbs. \$4.25.



30 Tablets for.....\$0.25  
75 Tablets for......50  
200 Tablets for..... 1.00

### SACCO

A specially prepared plant food. Very highly recommended by florists, estates, market gardeners, etc., for lawns, flowers, vegetables, house plants, shrubbery, trees, etc. Rich in life giving nitrogen, phosphates and potash. Contains tobacco stems and manganese and other elements. Lb. 10c., 5 lbs. 50c., 10 lbs. 90c., 25 lbs. \$1.50, 50 lbs. \$2.75, 100 lbs. \$3.95.

### DRICONURE

Animal Manures and Peat Moss combined to make an efficient fertilizer and soil builder; adds that necessary humus for healthy, moisture-retaining soil. 50-lb. bag \$2.25.

**Wedo.** Special lawn fertilizer with an infusion of 2,4-D. This exciting new product kills weeds and feeds grass at the same time. Wedo deals death to weeds while promoting thick, healthy lawn growth... it does both jobs from the roots on up. 25 lbs. \$2.75, 50 lbs. \$4.95, 100 lbs. \$7.95.



# BERRY, FRUIT AND GARDEN SUPPLIES

## BERRY BASKETS

### Made of Sweet Gum

Standard quart and pint-size baskets for Strawberries and other small fruits. Best quality. "Arrow Brand" berry baskets are superior to other makes. They are packed securely in cartons of 500, \$18.00 per 1000.

## PEACH and TOMATO BASKETS

**Peach and Tomato Baskets.** 16-qt. size, 25c. each, \$20.00 per 100.

**High Hat Peach Baskets.** 4-qt. 15c. each, \$13.00 per 100.

**High Hat Peach Baskets.** 8-qt. 20c. each, \$16.00 per 100.

**Bushel Baskets.** Round bottom. 50c. each, \$40.00 per 100.

**Bushel Basket Tubs.** 50c. each, \$40.00 per 100 (Covers extra).

**Tills.** 2-qt. Pansy Baskets. 5c. each, \$4.00 per 100.

**Tills.** 4-qt. Pansy Baskets. 7c. each, \$5.00 per 100.

## BERRY BASKETS

	500	1000
<b>Arrow Brand</b> .....	\$9.00	\$18.00
<b>Anchor Brand</b> .....	9.00	18.00

## NEPONSET PAPER POTS

Size	Green for Growing		Red for Shipping	
	100	1000	100	1000
2 in.....	\$1.20	\$10.20	\$0.75	\$6.85
2½ in.....	1.25	10.40	.85	6.85
2½ in.....	1.40	11.00	.85	6.90
3 in.....	1.50	12.20	.85	7.30
3½ in.....	2.00	16.10	1.20	9.65
4 in. (packed 500 to case).....	2.25	18.65	1.30	11.55
5 in. (packed 500 to case).....	3.00	24.80	1.50	14.15
6 in. (packed 500 to case).....	3.75	31.50	2.00	17.65

## STEEL LAWN SWEEP



Designed so that all teeth touch the ground when swept across the lawn, thus utilizing the full 18 inch width and gathering everything in its path. The smallest leaf or twig does not escape the action of this type rake. Handle 3½ ft. \$1.50.

## OAK RAKES

Made of split oak rigidly secured, with handle. Just the thing for cleaning grass clippings from walks, flower beds, borders, and the lawn.

18 in. With oak handle.....	\$1.40
24 in. With oak handle.....	1.90
30 in. With oak handle.....	2.40

## ADJUSTO PLANT SUPPORTS

An excellent plant support consisting of a single, strong, square, green-painted stake equipped with a wire ring which surrounds the plant supporting it and is adjustable to any height. Excellent for supporting Delphiniums or Dahlias.

3-ft. size.....	Each 35c., doz. \$3.20
5-ft. size.....	Each 40c., doz. 4.00

## PLANT STAKES

### Green Painted Round Plant Stakes

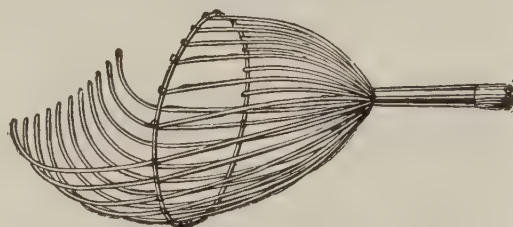
#### Cypress Wood Plant Stakes

	Doz.
3 ft. cypress, 1 in. sq.....	\$1.00
4 ft. cypress, 1 in. sq.....	1.25
5 ft. cypress, 1 in. sq.....	1.50
6 ft. cypress, 1 in. sq.....	1.75

#### Round Cane Stakes

	100
1½ ft.....	\$0.60
2 ft.....	.85
3 ft.....	1.15
4 ft.....	1.50
5 ft.....	1.75
6 ft.....	2.00

## FRUIT PICKER



The best fruit is always out of reach. As a Fruit Picker it has no superior. It is made of heavy wire and easily adjusted to a pole 75c.

## SPRINKLERS

**Rubber Sprinklers.** 4 oz. capacity...\$1.05

**Rubber Sprinklers.** 8-oz. capacity... 1.35

## GLAZING POINTS

**Peerless Glazing Points.** \$1.00 per 1000



### DIRT-PROOF, WASHABLE GARDEN GLOVES

**All Leather and Durable Yet Soft as Kid and Easy to Wear**

*For Men and Women*

Eezy Wear gives you everything you've been wanting in a garden glove: all leather protection from dirt, scratches, stains, infection—yet permit almost barehand freedom.

Sizes for women (small, medium, large)—for men (small, medium, large). \$1.35 a pair.

## ROOTONE

Reg. U. S. Pat. Off.

### Makes Cuttings Easy to Root

Dip cuttings in Rootone before planting to give faster and better rooting. Stimulates root growth on cuttings; quickens germination of seed and bulbs; reduces damping-off and wards off fungous attack. ¼ oz. pkg. (treats 400 cuttings) 25c., 2-oz. jar \$1.00, lb. \$5.00, postpaid.

## TRANSPLANTONE

Contains Vitamins and Hormones. For use in planting seedlings, shrubs, trees. Makes roots grow for earlier flowers and bigger crops. Reduces wilt. ½ oz. 25c., 3 ozs. \$1.00, lb. \$4.00.

## FRUITONE

### The Hormone Spray

Makes Apples, Peaches and Pears stick on the tree. Makes seedless Tomatoes. Stops premature drop. Makes Christmas greens last longer. For seedless Tomatoes use two teaspoons Fruitone per gallon of water. Trial pkt. 25c., 2 ozs. \$1.05.

## FERTILE POTS

### For Better, Earlier Crops

Pots made with proper amount of fertilizer for earlier and better plants. Roots not disturbed by setting pot and all in earth, even in dry weather.

Carton of 12—2 in. pots.....	\$0.50
Carton of 100—2 in. pots.....	2.50
Carton of 500—2 in. pots.....	9.00
Carton of 12—2½ in. pots.....	.60
Carton of 100—2½ in. pots.....	2.75
Carton of 250—2½ in. pots.....	5.00
Carton of 12—3 in. pots.....	.75
Carton of 100—3 in. pots.....	3.25
Carton of 250—3 in. pots.....	5.75

## RAFFIA

**Raffia.** For tying. Green, \$1.00; plain, 80c. lb.

## HOTKAPS

1000 or more, \$14.65 per 1000.

5000 or more, \$14.50 per 1000.

Hotkap Home Garden Package, 25 Hotkaps and Card-board Setter. 70c.

Special 100 package, containing 100 Hotkaps garden setter and tamper. \$2.75.

Special 250 package, containing 250 Hotkaps, garden setter and tamper. \$4.65.

Steel Hotkap setter and tamper. \$1.95.

Garden Setter. 20c.



## LABELS

**Tree Labels.** 3½ in. painted. 100 1000  
500 for \$2.75.....\$0.75 \$5.00

**Garden and Pot Labels.** Wood painted.

4 in.....	.50	3.00
6 in.....	.50	3.65
8 in.....	.65	5.60



## SPRAYERS AND DUSTERS

PRICES SUBJECT TO CHANGE

### BROWN SPRAYERS AND DUSTERS No. 4 Open-Hed Sprayer



Pump is quickly and easily locked in two movements; first, a twist of the wrist to lock it in place; second, locking lever is pushed down to compress gasket. This locking device is absolutely safe and is the quickest and easiest lock ever introduced.

**No. 4D Open-Hed Galvanized Tank.** \$10.00.

**No. 3D Open-Hed.** 3 gal. galvanized compressed air sprayer with automatic shutoff with hold-open feature, large opening for easy filling, easy cleaning. Easy-grip rubber handles and two-stage safety lock. Non-clog nozzle giving troublefree operation. \$9.25.

### No. 26BG Sprayer



The choice of many users, a one-quart continuous action Sprayer designed for long life and efficient operation. The all brass nozzle is adjustable to any angle of spraying desired and the patented plunger construction assures maximum results with little effort on the part of the operator. As an added feature the non-corrosive glass container is graduated, providing a constant view of the solution within.

**No. 26BG. 1 qt. Tin Pump Glass Tank.** \$1.95

**No. 510.** A capacity 5 oz. glass jar, tin pump, single action sprayer. A household necessity. 35c.

**No. 540.** Capacity 26 oz. plain tin single action sprayer for household and garden use. 50c.

**No. 580.** Capacity 3 qt. heavy galvanized tank. Especially designed as a cattle sprayer and for use in spraying fly sprays, lice exterminators, insecticides, disinfectants and weed killers. Ideal for use in dairy barns, poultry and hog houses, gardens, greenhouses, stores, hotels, public buildings. \$2.25.

### Crystal Duster



A highly efficient Duster adapted to the widest variety of uses, having a glass dust chamber, resistant to the destructive effects of disinfectant and insecticide powders.

**Crystal Duster**.....\$2.00

### Open Top Sprayer

**No. 24G.O.** Compressed Air Sprayer. 3½ gallon capacity, corrugated tank, double bottom for double strength, has large, 5-in. diameter opening for easy filling and cleaning, automatic shutoff with trigger control. Pump cylinder, 14-in. long with brass check valve. Has simple, fool proof device for locking pump to tank. \$10.00.

**No. 24G.F.** 3½ gal. Funnel top. \$8.45.

**No. 25G.F.** 2 gal. Funnel top. 7.65.

### CCC Spray Pump



The CCC Spray Pump is made entirely of brass. Sprays tall fruit and shade trees, shrubbery, flowers, garden vegetables, white-wash, etc., without fuss or muss. Easily operated, no complicated parts, and comes complete with wall bracket and 3 spray nozzles for CCC Spray Pump complete. \$11.50

### Smith No. 45 Sturdy Spray Pump Double Action, Continuous Unbroken Spray

Made entirely of heavy solid brass. With slow, easy pumping, nozzle throws a powerful, continuous, unbroken spray or stream as desired. Will spray the tallest tree from the ground. \$8.80.

**No. 49 Wheelbarrow Sprayer.** Complete with pump bucket, wheel and frame. \$34.90

**No. 57 Wheelbarrow Sprayer**..... 51.95

### No. 37D Handy Duster

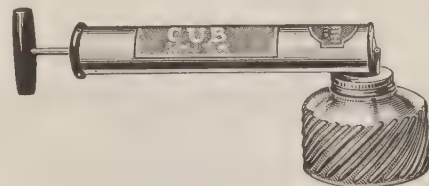


**No. 37D Handy Duster.** The Handy Duster is well built and low priced. It is an easily operated duster for use around the house, garden or poultry house. Cyanogas. The dust chamber holds one pint. Heavy tin, painted. 90c.

**Small Household Duster.** A splendid little duster for use around the house for dusting insect powders to destroy flies, cockroaches, water bugs, etc. Also for dusting flower plants and small garden vegetables. 45c.

### NO. 420 GIANT DUSTER

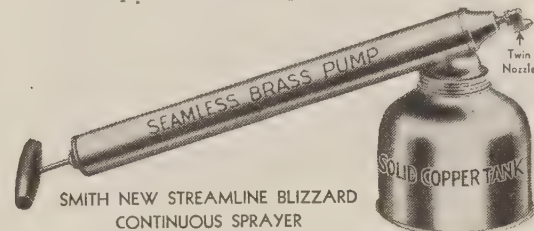
A well built duster for truck gardens, field crops, orchards, shrubbery, nursery stock, etc. Bronze bearings throughout insures strong, light, easy running. \$24.50.



**No. 500**—5-oz. A splendid sprayer for household use for spraying plants, and flowers. For spraying insecticides to kill moths, flies, mosquitoes, roaches and other vermin. 30c.



**No. 10**—The U.T.K. is a very good continuous sprayer. The twin brass nozzles and discharge tube are easily removed without tools for cleaning. Nozzle throws large, continuous fog spray straight ahead or at an angle. Easily sprays underside of plant leaves. \$1.10.



### COPPER and BRASS SPRAYER

**No. 575.** One-quart size, seamless solid brass pump; 14 in. by 1½ in. Tank—Heavy solid copper, capacity two quarts; screws to pump. Complete sprayer highly polished and lacquered. Very attractive. \$3.75.

### JIM DANDY CART SPRAYER

For all kinds of spraying, Weed Killer, 2,4-D, DDT, vegetables, fruits and buildings. 5-gallon capacity, 5½ in. opening for easy filling. \$32.00.

### MESSINGER TRACTION WHEELBARROW

The dusters are made of heavy gauge copper bearing sheet steel, copper bearing sheet steel, is used for rust and corrosion resistance, the fan and feeder are made of aluminum. The fan speed is obtained by cut gears located in grease tight housing. \$55.00.

### HEAVY DUTY FIELD TYPE HAND DUSTER

**H-1**—One nozzle.....\$25.00  
**H-2**—Two nozzles..... 28.00

### MISCELLANEOUS SPRAYERS

**12-oz. Tin Sprayer**.....\$0.45  
**No. 270 Sprayer, 1-qt., tin**..... .70  
**Niagara Duster, 1-pt., tin**..... 1.10  
**Niagara Duster, 1-pt., tin, with extension**..... 1.55  
**Niagara Duster, 1-qt., tin**..... 2.00  
**Niagara Duster, 2-qt., tin**..... 3.70  
**No. 14 Sprayer, 1-qt., tin**..... .59  
**No. 560 Sprayer, 24-oz., glass**..... 1.25  
**Weed Burner**.....24.00  
**No. 3D, 3-gallon open head sprayer**.... 9.25  
**We carry in stock sprayer hose and parts**

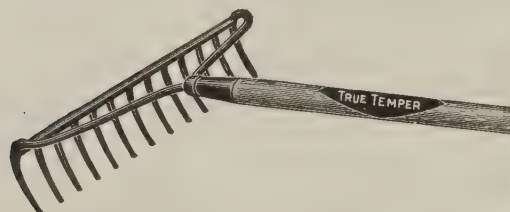


# GARDEN TOOLS

## RAKES



**Steel Garden Rakes.** Made of the best cast steel.  
**No. 12.** 12-tooth.....\$1.25  
**No. 14.** 14-tooth..... 1.50  
**No. 16.** 16-tooth..... 1.75



**Steel-Bow Rakes.** The teeth are slightly bent.  
**No. B12.** 12-tooth.....\$1.75  
**No. B14.** 14-tooth..... 1.85  
**No. B16.** 16-tooth..... 1.95

## WEEDERS



**Magic Weeder No. H. Style**  
**Magic Weeder, No. A.** Small. Each 35c.  
**No. B.** Medium. Each \$1.00.  
**No. F.** Medium. Each \$1.25.  
**No. H.** Large. Each \$1.50.

**No. 165 Graswhip.** Heavy double edged tempered steel, detachable polished blade. Special ground concave edge gives shearing for cutting tall weeds or thin bladed grasses. \$1.79.

**No. 163 Graswhip.** Round hardwood lacquered handle. Tool shaft with steel ferrule. For tough or gentle cutting. New serrated blade gives double shearing action. Extra blades available. \$1.25.

**No. 3 Grass Hook.** Hand fitting handle is secured to the tang by three double sized brass rivets which cannot loosen. Hardened and tempered blade. Perfect balance. Built for hard usage. 89c.

**No. 5 Grass Hook.** High quality tempered steel blade, handle is secured by two large sized rivets. 49c.

**No. 16 Scythe Type Grass Hook.** Hardened and tempered blade, ground and sharpened to keen cutting edge. Green lacquered finish. Malleable shank. Hardwood handle securely fastened through tang. 69c.

**No. 17 Scythe Type Grass Hook.** Polished steel blade. 39 in. ash handle riveted to solid malleable shank. Blade held in place by two sturdy rivets. \$1.10.

**No. T2 Trowel.** A well balanced tool for general use in the garden. Deep bowl. Ribbed shank for strength. Handle shaped to fit the hand. 17c.

**No. T50 Fork.** A handy tool for breaking sod or hard ground. Made of 18 in. gauge steel with turned wood handle. Baked green enamel finish. 17c.

**No. T6 Cultivator.** A splendid tool for cultivating, mulching or weeding. Baked enamel finish. Handle shaped to fit hand. 17c.

## HOES



**Square Hoes, No. G06.** 6-in., solid shank \$1.35.  
**No. G07.** 7-in., solid shank, \$1.45.

## SHOVELS



**Long Handle.....**\$2.50 and \$2.75

## SPADES

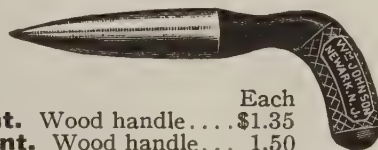


**Fox Steel Spades.** Short handle.....\$2.50

## FORKS

**Spading Forks.** Strapped shanks; short or D wood handle. Made of best-quality steel. Men's 4-tine.....\$2.50

## DIBBLES



**Iron Point.** Wood handle... Each \$1.35  
**Brass Point.** Wood handle... 1.50

**Bamboo Rakes.** 18 in.....\$1.50  
 24 in..... 2.00  
 30 in..... 2.75

## VIGORO SPREADERS

**Model "B".** 18 in.....\$6.85  
**Junior.** 18 in.....11.35  
**Standard.** 24 in.....27.50  
**Special.** 36 in.....37.20

**No. T3 Transplanter.** A narrow trowel made for transplanting purposes. Made of 18 gauge steel. Handle fits the hand. Baked green enamel finish. 17c.

**No. T0 3-Piece Garden Set.** Consisting of T2 Trowel, T50 Fork, T6 Cultivator. 50c.

**No. W20 Weeder.** A quality weeder throughout. Forged steel blade. Back of blade polished. Sharpened to fine edges. 65c.

**No. W25 Garden Trowel.** Shank and blade one piece. Hardwood handle fits snugly in socket. Strong durable polished enamel blade. 45c.

**No. 22 Garden Trowel.** Heavy steel enameled blade. Blade securely fastened. Steel ferrule. Hardwood handle. 40c.

**No. 23 Transplanting Trowel.** Blade and shank one piece. Curved narrow blade. Baked enamel finish, 6 in. blade. 35c.

**No. 24 Garden Trowel.** One piece forged steel blade. Polished hardwood handle. Heavy steel ferrule, 6 in. blade. \$1.20.

**No. 26 Asparagus Knife Weeder.** Forged blade, hardened and tempered for hard usage. Blade polished enamel. A splendid dandelion digger. 35c.

**No. 28 Dandelion Lawn Weeder.** Bent blade. Forged, tempered and hardened. Polished blade. Three foot hardwood handle. Plated ferrule. 69c.

**No. 30 Wood Handle Dibble.** Shellaced and polished wood handles. Fine finish. Polished iron point. \$1.20.

**No. 31 Spading Fork.** Very sturdy; well constructed. Balanced tines. Half polished. Polished hardwood handle. Steel ferrule, overall length 11 inches. 65c.

## HEDGE SHEARS

Riveted Handles and Notched



These Shears are made to meet the demand for a better-balanced, easier-cutting, and more durable hedge clipper.

**Wiss No. 8 1/2 B—8 1/2 in. blade.** \$3.75, notched \$2.75.

**Wiss No. 9 1/2 B—9 1/2 in. blade.** 4.00.

## DOO-KLIP SHEARS

**Doo Klip Long Handled Grass Shears on wheels.** \$3.50.

**Shears and Knives M. S. No. 5409 1/2.** \$2.50.



**Doo-Klip Hedge Shears.** Combines superior cutting quality with better balance and real operating comfort. Rubber handles with molded grips cushion cutting shocks. Escalloped blades hold firm, prevents bunching. Blades made of drop-formed induction hardened alloy steel. \$3.95.

**Doo-Klip Double Action Pruner** comes in a soft metal replaceable anvil and an upper blade slices forward as it cuts down. \$2.75.

**Alligator No. 101 Pruning Shears.** Long and narrow, easy feel hand grip for those hard to get at places. \$1.75.

**The New Seed Starter Set.** Contains three 3-compartment seed starters. Self watering. Feeds from bottom up. Gives correct amount of moisture. Increases germination; speeds plant growth; prevents damping-off. Includes a bag of sterilized Mica-Gro, a new clean growing medium. Complete, \$1.00.



**Doo-Klip Grass Shears.....**\$1.95



## SHEARS AND KNIVES

Wiss anvil pattern bright nickel handle pruning shears.

**No. 908—8 in. DeLuxe.....**\$3.00

**No. 908—8 in. Regular.....** 2.50



# GARDEN TOOLS AND REQUISITES

Prices subject to change without notice

## LABELS

**Tree Labels.** 3½ in., painted, copper wired, 75c. per 100, \$5.00 per 1000.

**Garden or Pot Labels.** Wood, painted.

Width	100	1000
4x5½ in.....	\$0.50	\$3.00
6x5½ in.....	.50	3.65
8x5½ in.....	.65	5.60
10x5½ in.....	1.00	6.70
12x1½ in.....	1.25	8.00

## HAND SEEDER

(Illustrated at right)

Enables small seeds to be sown one at a time. Handy to use and professional in operation. Simple in construction. Sturdy and will last a lifetime. Cadmium plated steel to resist corrosion.

To operate: simply take the cap off and pour the seeds into the tube. Replace cap. Use thumb to regulate seed opening. Gently tap the tube and seeds will be dispensed one at a time. Price, \$1.00.



## RUBBER PLANT SPRINKLERS

For sprinkling cut flowers, seedlings, clothes, etc. A pressure on the bulb ejects the water in a fine spray. Prices, straight or angle neck, 8 oz., \$1.00; 10 oz. \$1.25. Transportation paid.

## THE CYCLONE SEED SOWER



*The CYCLONE  
is the Best Selling  
Broadcast Seed Sower  
in the World!*

Practical and all-around, first-class grain and grass seeder. \$3.75.

## HORN SEED SOWER

\$1.35, postpaid \$1.50

## 'TWIST-EMS'

The new handy Plant-Tie. Strong, broad, dark-green, tapes with invisible wire reinforcements. Easy to use, just a simple twist of the wrist and the plant is tied. Inexpensive too. Box of 125, 8-in. length, 25c., 16 in. 50c. (Special prices quoted on larger quantities)



## COMBINATION FERTILIZER AND SEED SOWER

This inexpensive machine was more especially designed for broadcasting the Granular or Pellet type of commercial fertilizers. It is also highly satisfactory for sowing all kinds of seed. A sturdy machine with heavy gears, strong crank and brass bushed bearings for hard use and long wear. \$4.50



## THE BARKER WEEDER, MULCHER, CULTIVATOR

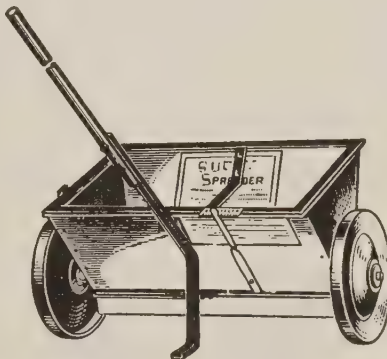
One man with a Barker can do more work, do better work than 10 men with hoes. It cultivates and pulverizes the soil, forming a soil mulch which holds moisture. The underground knife cuts all weed roots, and the reel blades clear the dirt from the knife, making a perfect job of weeding.



The Barker has 7¼-inch rugged disc wheels; new patented filler drum, and oscillating leaf-guards. Cutting parts of best-grade steel for its purpose.

**No. 8½**—An excellent size for general garden work. It cuts an 8½-in. strip. \$9.85.

**No. 10**—Knife cuts a 10-in. strip. A very popular size. \$10.55.



## SALEM SPREADERS

Every home needs this new gardening aid. Spreads lime and seed evenly and accurately. Saves time and labor. Ideal for sowing on windy days. Designed for use on established lawns.

16 in., \$7.50; 20 in., \$11.50; 30 in., \$17.50

## LAWN RAKES



**Broom Rake.** A general outdoor broom for lawns and gravel paths. \$1.25.

**Bamboo Metal-Grip Lawn Rake.** Not the old flimsy kind. Made to last. \$1.75.



## KNEE PADS

Keeps the knees dry when working in garden or around hotbeds and coldframes. Made of black rubber with soft rubber pads. Pair weighs 17 ozs. Pair \$1.98.



## SOIL-TESTING KITS

**Sudbury Soil Test Kits.** Plants of all kinds need a balanced diet if they are to yield maximum growth. The only way to find out what they need is to test the soil. Sudbury Soil-Test Kits provide a simple method of determining the nitrogen, phosphorus and potash contents and also the degree of acidity. They eliminate guesswork; no knowledge of chemistry is needed. Home Garden Kit (20 tests).....\$2.50 Club Model (50 tests)..... 4.75 Additional testing fluids: 2-oz. bottle. .75 6-oz. bottle..... 1.50 (Be sure to specify which fluid you need when ordering)

## RAT AND MOUSE KILLERS

Cyanogas, lb.....\$0.98  
Common Sense Exterminators..... .25  
Rat Nip..... .35  
Rat Bombs (Red Squill)...\$0.15 and .25  
Red Squill Powder..... .50  
Red Squill Liquid.....\$0.25 and .65  
Mouse Seed..... .25  
Rat Nots..... .25  
Mouse Nots..... .25  
KRO Bisket..... .35  
Star Rat Killer. Non-poisonous to humans, dogs, cats and poultry. 15-oz. can..... .75  
CCC Rat Killer Liquid Red Squill. Jar..... .65

## ANTU FORMULA No. 83

Far more effective than other types of rat poisons—Effective as a tracking poison—Can be used in variety of baits to meet all conditions—Can be dusted on water—More poisonous to rats than to other animals or poultry—Tasteless, hence rats cannot detect it—Colored gray to avoid confusion with food-stuffs—Concentrated, dilute 20 times for use. 1½ oz. 65c., 4 oz. \$1.50, 8 oz. \$2.50 ½ oz.....35c. 4 ozs.....\$1.00 1¾ oz., 30% Antu.....\$1.00



## HAND LAWN MOWERS

\$15.00 to \$30.50



Your lawn needs this silent all-steel mower for better, cleaner, quicker and more dependable cutting. And you need the Jacobsen All-Steel Lawn Mower for its great extra advantages in longer wear and lasting service. Its quiet operation, perfectly clean shearing, light weight and easy handling have won it acclaim as the smoothest running mower ever made.

**18 in. Jacobsen Silent Hand Mower \$30.50**

## POWER MOWERS

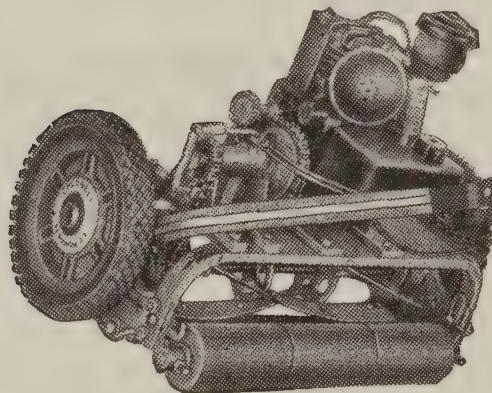
**18 in. Jacobsen's Bantam Power Mower.** \$100.00. **20 in.** \$110.00.

**20 in. Jacobsen's Lawn Queen Power Mower.** \$128.00., **22 in.** \$140.00.

**24 in. Jacobsen's Lawn King Power Mower.** \$275.00.

**30 in. Park Mower.** \$400.00.

Prices of other sizes on request



## KEYSTONE WATER-BALLAST ROLLERS

Fill with water to weight it up to any number of pounds desired, as shown below. Equipped with a device for keeping handles stationary.

No.	tions	Sec.	Diam.	Lgth.	Wght.	Wght.	Price
602.....	1	18	24	85	330		\$18.75
603.....	1	24	24	100	440		22.00
604.....	1	24	32	135	590		24.50

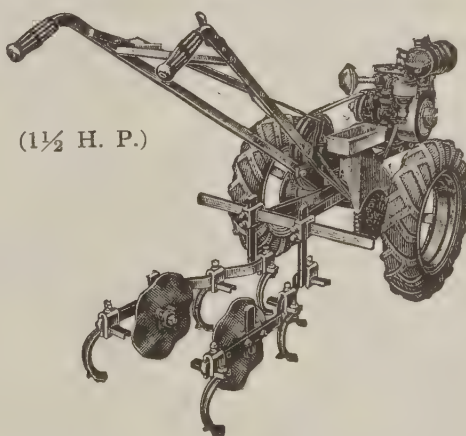
## HANDI-CART



Sturdy sheet metal body, solid steel axle; 10 inch disc wheels; rubber tires. Perfectly balanced; easy to handle.

**No. 1—Capacity 2 cu. ft.....\$9.50**

## PLANET JR. GARDEN TRACTOR MODEL B P 1



(1 1/2 H. P.)

The Planet Jr. Garden Tractor Model B 1 is a two-wheeled tractor. It has a 1 1/2 horse-power motor. It is light and easily handled, but will do an amazing amount of work.

The Planet Jr. Model B 1 tractor is essentially a cultivating tool. For the home gardener it does a grand job rapidly and economically. It will cultivate, open and close furrows, handle seed and fertilizer, drill, small disks, mowers and much other work around the garden. Commercial gardeners find it an adaptable tool for cultivating close rowed crops, seeding and other jobs that cannot be economically done with a larger tractor.

Planet Jr. Garden Tractors are both practical and economical for the home and market gardener.

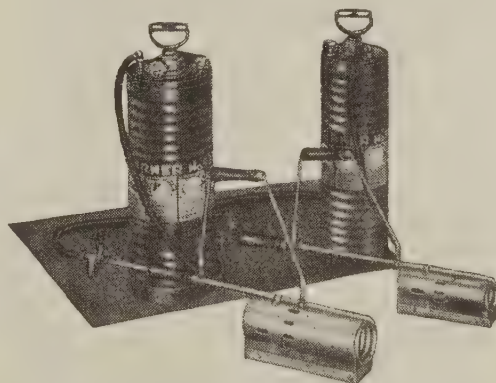
\$200.00 F.O.B. Philadelphia

## HEDGE CLIP

### All-Electric Portable Hedge Trimmer

Trim your hedges quickly in that straight line which is the mark of the professional. Square the top and corners, or round them if you wish. As a matter of fact, with the Hedge Clip you can achieve professional sculptured effects with far less work than you now experience in maintaining a flat top. It works well on the sides, too. \$44.50.

## AEROIL WEED BURNER



For destroying any kind of weed or brush, killing stems, roots, and seeds. Burner can be used with any type compression tank.

**No. 99.** Complete with 4-gal. tank and hose.

Jr.....\$22.50

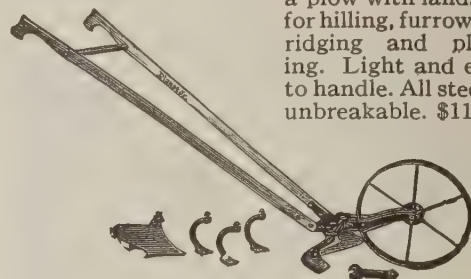
Sr.....24.75

Giant.....30.00

# Planet Jr.

### No. 17, Planet Jr., Single Wheel Hoe.

A pair of 6-in. hoes for weeding and shallow cultivation, three cultivator teeth for deeper and general cultivation and a plow with landside for hilling, furrowing, ridging and plowing. Light and easy to handle. All steel—unbreakable. \$11.95.



### No. 12, Double and Single Wheel Hoe.

As a Double Wheel Hoe it will straddle crops 20 in. high, cultivating both sides at once; easily changed to a Single Wheel Hoe for working between rows. Made entirely of steel and practically indestructible. \$17.25.



### No. 4, Combined Hill and Drill Seeder and Single Wheel Hoe.

The No. 4 is a combination of the most useful tools for a moderate sized garden. Plants almost all vegetable seed in continuous rows or in hills 4, 6, 8, 12 or 24 in. apart. Single Wheel Hoe by changing one bolt. Cultivating equipment includes all the essential equipment for hoeing, weeding, cultivating, plowing, furrowing, ridging, etc. The tools are oil hardened and tempered and will wear almost indefinitely. \$27.95.

**Planet Jr. No. 300 Seeder.** For muck and sandy soils. \$30.25.

**Planet Jr. No. 300A Seeder.** For upland. \$30.25.

**No. 119 Wheel Hoe.** \$5.00.

**Also Separate Attachments for All Types of Planet Jr. Equipment**



# DOG and CAT REMEDIES and SUPPLIES



## GAINES DOG MEAL

An excellent daily diet for dogs and puppies of all sizes and breeds. Just add water—nothing else—and Gaines offers dogs all the Vitamins and other food factors they're known to need. And dogs love it. In fact, actual surveys show that nine out of ten dogs like Gaines right from the very first feeding. Chosen by the U. S. Arctic Expedition and now fed by the U. S. Army.

5 lbs.....	\$0.75	25 lbs.....	\$3.25
10 lbs.....	1.35	50 lbs.....	6.00

## GAINES KRUNCHON

Made of the same ingredients as Gaines Meal, but in pelleted form.

5 lbs.....	\$0.70	25 lbs.....	\$3.00
10 lbs.....	1.35	50 lbs.....	5.75

## KEN-L-BISKIT

Ingredients: Fresh Meat, Wheat Germ, Yeast, Egg Yolk, Wheat Flour, Fresh Whole Milk and Bone. Vitamin Fortified.

Chappel's Ken-L-Biskit is scientifically prepared from fresh raw meat and carefully selected ingredients. Its nutritional value has been proved in laboratory, controlled feeding tests. Can be fed dry or moistened with water or broth and is suitable for dogs of all breeds and ages. Small cakes, small kibbles, or medium kibbles, 5 lbs. \$1.00, 10 lbs. \$1.75, 50-lb. bag \$7.50.

## FLEISCHMAN'S IRRADIATED DRY YEAST FOR DOGS

Gives the coat a beautiful gloss, helps clear up skin disorders, stops itching, builds stronger bones in puppies, prevents rickets. Four sizes: 3½-oz. can 30c., 8-oz. can 60c., 1-lb. can \$1.00, 5-lb. can \$4.00. Postage extra.

**Cero-Meato Kibbled Dog Biscuit** contains cereal, meat and bone. Lb. 16c., 5 lbs. 75c., 10 lbs. \$1.45.

**Sturdy Meal.** Lb. 12c., 5 lbs. 55c.

**Sturdy Kibbled.** Lb. 13c., 5 lbs. 60c.

**Charge Dog Candy.** Package 25c.

**Meat Balls.** Packages 20c. and 70c.

## SPRATT'S PATENT DOG FOOD

**Spix.** A medium-size dog cake for all breeds. The best results are obtained by giving the biscuits dry, not soaked, thereby compelling the dog to gnaw the food and thus producing copious flow of saliva which materially aids digestion. 5 lbs. \$1.25, 25 lbs. \$5.00, 50 lbs. \$10.00. Postage extra.

**Ovals.** (The Pocket Dog Biscuit.) Oval Biscuits. Wonderful for all dogs, especially the smaller breeds. Contains plenty of meat; crunchy and satisfying. Convenient to feed and easy to carry in the pocket when on a walk with your dog. 5 lbs. \$1.25, 25 lbs. \$5.00, 50 lbs. \$10.00. Postage extra.

**Charcoal Biscuits** (Oval Size). Same as Ovals with pure charcoal added. Black in color. Aid in absorbing intestinal and stomach gases. Every dog should have a full meal of Spratt's Charcoal Ovals once or twice a week, meat-fed dogs oftener. All dogs eat them with avidity. A safeguard against canine ills. 5 lbs. \$1.25, 25 lbs. \$5.15, 50 lbs. \$10.00.

**Mixed Dog Biscuits.** Offered for the purpose of giving your dog just the variety of crunchy foods that he needs for the maintenance of stamina and good health. The combination is made up of Spix, Ovals, Charcoal Ovals, Cod-Liver Oil Ovals, and Fish and Meat Ovals, and constitutes an ideal all-the-year-round food. 5 lbs. \$1.25, 25 lbs. \$5.15, 50 lbs. \$10.00.

**Spratt's Cod Liver Oil Ovals.** 5 lbs. \$1.10, 25 lbs. \$5.15, 50 lbs. \$10.00.

**Spratt's 34 Kibbled.** 5 lbs. \$1.10, 25 lbs. \$5.15, 50 lbs. \$10.00.

**Spratt's Fibo.** 5 lbs. \$1.25, 10 lbs. \$2.25, 50 lbs. \$10.95.

## WM. COOPER & NEPHEWS PRODUCTS

**Pulvex Flea Powder with D.D.T.**....\$0.50

**Pulvex Dry Cleaner**..... .50

**Pulvex Soap**..... .25

**Pulvex Worm Capsules**..... .50

**Cooper's Pine Oil Disinfectant**..... .50

**Pulvex Spongeaway**.....25c. and .50

**Vita Vurv**..... .75

**Tick Powder**..... .75

## MISCELLANEOUS REMEDIES

**Spohn's Compound**.....60c. and \$1.10

**Spratt's Cat Worm Capsules**..... .20

**Spratt's Dry Cleaning Powder**..... .35

**Super Cedar Kennel Bedding**. 5 lbs... .75

**Hilo Dip**.....25c. and .50

**Hilo Ointment**.....25c. and .50

**Marvel Dust Dog Repellent**..... .65

**8 in 1 Shampoo**..... .50

**Rex Wheat Germ Oil**..Pt. \$3.45, 4 oz. 1.00

**Spratt's Cat Food**. Per carton 15c., .30

**Catnip Mice**..... .20

**Catnip Leaves**..... .25

**Chaperone Liquid.** For outdoor use only. It drives dogs away. 4 oz. bottle 50c.

## DELCREO DOG REMEDIES

**Delcreo.** 4 ozs.....\$1.50

**Tonic and Conditioner.** 2 ozs..... .75

**Soluble Sulphur Compound.** 2 ozs.. .60

**Soluble Sulphur Compound, Bath.** 4 ozs..... 1.00

## SERGEANT'S DOG MEDICINES

**Sure Shot Capsules**.....\$0.60

**Puppy Capsules**..... .60

**Sure Shot Liquid**..... .60

**Skip-Flea Soap**..... .30

**Tape Worm Medicine**..... .60

**Sure Shot Flea Powder**..... .35

## DR. A. C. DANIELS' REMEDIES

**For Dogs, Puppies, Cats and Kittens**

**Acobel Wafers for Colds**.....\$0.50

**Astringent Diarrhea Pills**..... .65

**Catnip Leaves and Blossoms**..... .25

**Danilax.** A liquid tasteless laxative. 35c and..... .65

**Danivom.** Anti-vomit tablets..... .50

**Dermite.** For Sarcoptic Mange..... 1.00

**Dervide Tablets.** Vervide. Fits..... .50

**Effer Wash.** For canker, sores, ears... .35

**Flea Powder.** For fleas and lice..... .25

**Germi Powder.** For sores, cuts..... .35

**H.B.O. Liquid** For hair balls in cats.. .65

**Katonic.** A great tonic for cats..... .25

**Nasal Balm.** Head colds, catarrh..... .35

**Sulphur Tablets.** For cooling blood.. .50

**V. M. Capsules.** Full of vitamins.... .50

## GLOVER'S DOG REMEDIES

**Glovers Imperial Worm Capsules**... .25

**Mange Medicine Sarcptic**..40c. and .75

**Kennel and Flea Soap**..... .25

**Medicated Soap**..... .30

**Creosol Disinfectant**..... .50

**Flea and Insect Powder**..... .50

**DOES YOUR DOG ITCH?**

When dogs itch—scratch continually it's usually *not* due to fleas, mange, diet. 2 to 1 it's **FUNGUS ITCH**—grass-borne fungus infection long a puzzle to science. Now a noted specialist's discovery—**SULFADENE**—applied *externally*, stops itching in minutes...clears up scales and sores in a few days. Generous treatment only 98c. Guaranteed.

**Dr. MERRICK'S SULFADENE**

**One-Spot Flea Killer**

**KILLS** Lice, Ants, Fleas, Aphids, Bedbugs, Crab Lice, Potato Bugs, Bean Beetles

FOR FLEAS—35¢

DUST ON ONE SPOT Guaranteed by Manufacturer



# DOG FURNISHINGS AND SUPPLIES

NOT ADEQUATE SPACE TO MENTION ALL ACCESSORIES



Round Dog Collars \$1.00 to \$2.50

## DOG SWEATERS & BLANKETS

Heavy Pioneer part wool knitted dog sweater. Attractively striped. Colors: red, green, navy. Sizes: 10, 12, 14, 16, 18, 20. The lowest priced zipper sweater sold.

Heavy woolen blanket, plain and scotch plaid materials, bound in attractive colors, colored enamel slide buckle with four button snaps to match. Buttons across the chest and is double breasted. Sizes: 10, 12, 14, 16, 18, 20.



**Dog Blankets**, assorted sizes..\$1.50 to \$3.50  
**Dog Sweaters**, assorted sizes.. 1.50 to 3.50

## DURHAM DUPLEX DRESSER

Popular plucking and stripping comb. Packed in attractive tube. \$1.50.

## DOG HARNESS



Assorted sizes.....\$0.45 to \$3.50



## LEATHER BACK BRUSH

Loop handle with fibre bristles set in leather. For grooming all dogs.

Size: 5 in. long by 2½ in. wide.....\$1.75

## BRUSH

Oval backed brush, white tampico bristles. leather strap. \$1.00.

## DOG COMB HEAVY NICKEL PLATED STEEL COMB WITH HANDLE

**No. 14.** Dog Comb. Steel, Nickel, Wooden Handle.

Coarse rounded teeth for large dogs. Size: 6½ in. long by 1½ in. wide.....\$1.50

## NAIL CLIPPER

Scissor type. Made of nickel plated steel. \$2.50.

## RESCO NAIL CLIPPER

\$2.50

## BASKET BED

Made of durable willow with willow floor mounted on legs. Cedarized cushion included in price.

Sizes: 18 in.....\$4.70  
20 in..... 5.50  
22 in..... 6.00  
24 in..... 6.50  
26 in..... 7.00  
28 in..... 8.50

## DOG CARRIERS

A volume seller carrier. Made of hard fibre, strictly sanitary. Equipped with proper ventilation. Brass catches, leather handle. Color: Black.

Lengths: 16 in.....\$4.50  
18 in..... 5.50  
20 in..... 6.25  
22 in..... 6.75

## CEDAR SHAVINGS

5-lb. bag Cedar Shavings, made of the finest aromatic Red Cedar. These shavings will provide a clean wholesome bed for the dog, keep his coat glossy, deodorize his kennel and drive fleas away. 75c.

## DOGGY DYNERS

Metal base, assorted colors.

Dog size, double glass dishes.....\$1.25

Aluminum dog dishes.....\$2.75 up

**Complete Line of Dog Collars, Harness, Leads, Blankets, Combs and Brushes.**



## DOG LEADS

Flat and round leather. 75c. to \$2.25

## DOG COLLARS

A full assortment of round and flat leather. Collars. 25c. to \$5.00.

## STEEL DOG-E-BEDS and MATTRESSES

These are of exceptional beauty and value. Sturdily constructed and finished in high grade enamel, with attractive trim. Equipped with sanitary mattresses which can be washed and cleaned. \$5.50 to \$6.50.

## TOYS FOR PETS

**Sentoy Bone**.....\$0.35  
**Rubber Rat**..... .35  
**Crackle Bone**..... .98  
**Rubber Balls**.....25c. and .50  
**Oswald the Rabbit**..... .75  
**Porky the Pig**..... .75  
**Rag Doll**..... .50  
**Cat Heads**.....75c. and 1.25  
**Silent Whistle**..... 1.00  
**Dumb Bells**.....75c. and 1.00  
**Lamp Post**..... .75  
**Hydrants**..... .75  
**Real Bone**..... .25  
**Sanitary Bone**..... .50  
**Scratch Post for Cats**..... 1 75



# POULTRY SUPPLIES

All Prices Subject to Change Without Notice

POULTRY FEED

GRIT

CHARCOAL

OYSTER SHELL

TOBACCO DUST

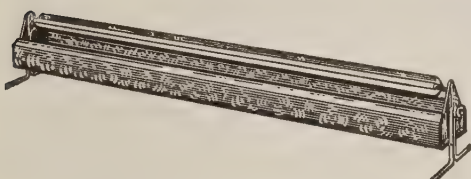
## PREMIER DRINKING FOUNTAINS

Modern design made from heavy galvanized iron. Perch proof top. Full size bail. Snap on bottom pan. Design helps keep floor dry and hasn't drowned a chick yet. Fills from bottom.



- No. 71. 1 gal. .... \$1.10  
No. 71½. 6 qts. .... 1.30

## CHICK FEEDERS



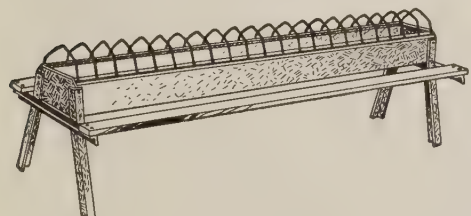
### With Adjustable Steel Legs

The adjustable legs (or stand) at each end adapt this feeder to chicks of different ages. Difficult to tip. Extra large feed capacity. 4-blade reel adjustable to 4 positions. All metal construction. Anti-waste turned lip along both feeding rails.

- No. 34. 48 in. long; 2½ in. deep; 4¼ in. wide. \$1.45.

## PORTABLE WATER HEATER

P20. A multiple use water immersion type water heater equipped with a genuine chromalox heat unit of 1500 watt capacity. Completely automatic in operation. \$17.95.



## DRY MASH FEEDER

Holds lots of feed. Box shape with curved antiwaste lip along both sides and hinged grill that's easy to turn back or remove for filling and cleaning. 26 gauge prime galvanized body with 18 gauge reinforced stand. Strong perches. Grill painted red.

- No. 60. 60 in. long, 5 in. deep, 8 in. wide. \$6.35.

## METAL NESTS

All edges folded for rigidity and to avoid injury to worker. Perches are finished and have rounded upper corners but are unpainted. 28 gauge steel is used. Each nest is 10¼ in. wide, 13 in. deep, 12 in. high with steel bottoms that are removable.

- No. N-10. 10 nest unit—stands 30 in. high—is 13 in. deep—54 in. long. \$14.25.



## PREMIER COAL BROODER

Cast Iron Construction

Model No. 40-A. Coal capacity, 75 lbs.; height, 28¼ in.; diameter of grate, 10½ in.; approximate shipping weight, 151 lbs. \$45.72.

Canopy in Corrugated Carton  
Stove shipped in Wooden Crate

## 39A COAL BROODER

Coal capacity, 60 lbs. Height 24¾ in. Diameter of grate 10½ in.

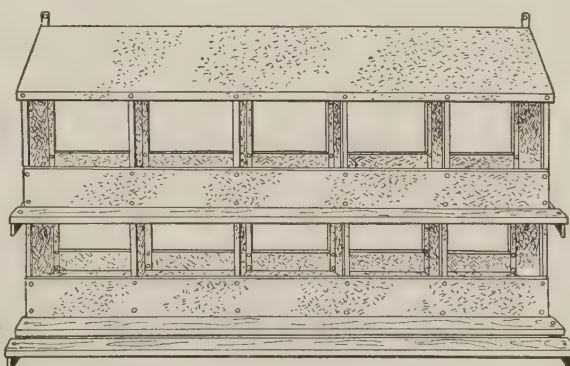
## PREMIER EGG GRADER

P26. Extra soft sponge metal tray, gives protection against egg cracking. Mechanical, gravity feeding, grades 3 to 5 cases per hour. \$17.95.

## AUTOMATIC TIME CLOCK

No winding—no lubrication—no attention required. It's 100% automatic. It will pay for itself a thousand times over. Cap. 30 Amp. 3000 Watt.

- Model 301. .... \$9.00 each



- Brooder Pipe and Elbows. 30c. up.  
Brooder Thermometers. 45c. to \$1.25.  
Glass Cloth. 35c. yd.  
Poultry Crates. \$3.50 each.  
Toxite for Litter Spray. \$2.00 gal.  
Wicks. 5c. each.  
Egg Baskets. Wire, \$1.00 each.  
Egg Shipping Crates. 30 dozen size, \$1.25.  
Egg Case Fillers. 100, \$4.00.  
Egg Case Flats. 100, \$2.50.  
Egg Scales. \$2.00.  
Metal Egg Crates for Shipping. 2-doz. \$2.00, 3-doz. \$2.50, 4-doz. \$3.00, 6-doz. \$3.50.  
405 Electric Brooder. \$26.75.  
Brooder Pipe. 4 in. 25c., 5 in. 30c.  
Fount Lamps. \$2.50.  
Roof Saddle—Adjustable. \$2.15.  
Celluloid Leg Bands. Assorted sizes and colors. 50, 40c.; 100, 70c.  
Buttermilk Crock Fountains. 50c.

## PREMIER ALL BRASS FLOAT VALVE

Keeps Water Before Birds!

Provides a continuous flow of fresh water at all times. Opens and closes automatically as adjusted. Use with poultry water pans, stock troughs, etc.

- No. FV-4—positively guaranteed. \$3.95 ea.



## Round Mason Jar Fountains

Galvanized Steel

Substantial screw cap spot welded to the pan. Ea. 20c.

## FLAT BOTTOM SCOOP

A durable all galvanized scoop which can be used for many purposes. Distributes feed evenly by just sliding along the feeder. \$1.25.

## WATER PAN WITH GRILL

No. 45E Premier pan and grill for water, medicine, milk or mash; 3-4 gal. capacity. Heavy, porcelain enamel pan, double coated, 17½ in. diameter, 4½ in. deep. Strong wire grill. \$1.90.

## PREMIER AUTOMATIC ELECTRIC FOUNTAIN HEATER

For use with small and medium fountains, water pans, crocks, etc. to help secure increase in winter egg production and added profits for you, the dealer

- No. 29. 100 watt, 115 volt A.C. .... \$4.22





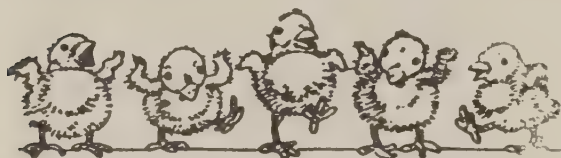
## SINGING CANARY BIRDS

Every bird guaranteed, is carefully selected for song and satisfaction.

**Male Choppers**..... } Prices on request  
**Male Rollers**..... }  
 Birds can be shipped by express only.

## BIRD CAGES AND STANDARDS

No. 480 Cage..... } Prices on request  
 No. 950 Cage..... }  
 No. S400 Stand..... }



AIN'T WE A HAPPY BUNCH?

## BABY CHICKS

**Our Chicks will please you**  
**Blood Tested—For Pullorum Disease**

We advise placing orders in advance as the demand for our chicks is always heavy. Every bird in the breeding flocks has been selected for health, vigor, production and must conform to the type of the breed it represents. Every bird is blood tested each year and all unsatisfactory birds are removed at once.

Prices subject to change.

	100	25
<b>Leghorns.</b> White, brown, buff..	\$17.00	\$4.50
<b>Rocks.</b> Barred, white, buff....	17.00	4.50
<b>R. I. Reds</b> .....	17.00	4.50
<b>N. H. Reds</b> .....	17.00	4.50
<b>Wyandottes.</b> White.....	17.25	4.50
<b>"AAA" Minorcas</b> .....	17.75	4.75
<b>"AAA" Buff Orpingtons</b> ....	17.75	4.75
<b>"AAA" Silver Wyandottes</b> ..	19.50	5.50
<b>"AA" Jersey Giants</b> .....	23.00	6.00
<b>"AA" Light Brahmas</b> .....	19.00	5.50
<b>"AA" Mottled Anconas</b> .....	17.00	4.50

## SPECIAL BREEDING BABY CHICKS

	100
<b>White Leghorns</b> .....	\$20.00
<b>N. H. Reds</b> .....	20.00
<b>Rock Red Cross</b> .....	20.00
<b>50 at the 100 rate, 1c. less per 1000</b>	

**Mammoth White Pekin Ducklings** In Season. 50c. each, \$35.00 per 100.

**Turkey Poults.** \$1.00 each, \$95.00 per 100.

**Goslings.** \$2.00 each.

Subject to change in prices and sold out.

## BIRD FOODS AND REMEDIES

8-In-One Song Restorer with Cod Liver Oil and Yeast, 30c.

8-In-One Song Restorer, Regular, 30c.

8-In-One Moulting Food, 30c.

Cage Springs, 10c. and 20c.

Cage Hooks, 50c.

Seed and Water Cups; Opal 15c.

Bird Bath Dishes, 15c.

Non-breakable Bath Houses in chrome, 98c.

Charm Bells, 10c.

Our own selected Mixed Bird Seed, 30c. lb.

Pulvex Vita Vurv. 5 ozs. 75c.

Pulvex. A leading Lice and Flea Powder. 25c. and 50c.

Canarydyne (for Colds), 25c.

Cage Covers and Seed Catchers, \$2.50 a set.

Sunflower, selected for parrots. Lb. 35c., 2 lbs. 65c.

Parrot Food Mixed, 35c. lb.

Fish Food Wafers, 15c.

Fish Food, Natural, 15c.

Turtle Food. Contains ant-eggs, 20c.

Ich and Fungus Remedy and Tonic, 25c.

Glandex for Tropical Fish, 25c.

## BURNETT PRODUCTS

Burnett's Unexcelled Health and Song Restorer, 30c.

Burnett's Cod Liver Oil Bird Food, also a nestling food, 30c.

Burnett's Lightning Song Restorer, 30c.

Burnett's Mocking Bird Food, for soft billed birds, 40c.

## MIXED BIRD SEED

Contains all the necessary seeds to keep your bird in health and song. Lb. 30c., 5 lb. \$1.40, 10 lbs. \$2.75.

## SPECIAL BIRD SEEDS

Recleaned Canary Seed.....	Lb. 25c.
Rape, Small Red Rubsen.....	Lb. 30c.
Sunflower, Super Giant.....	Lb. 35c.
Millet, Large Yellow.....	Lb. 15c.
Hemp (Sterilized).....	Lb. 40c.
Thistle.....	Lb. 35c.
Flax, whole.....	Lb. 35c.
Lettuce, white.....	Lb. 50c.
Poppy or Maw.....	Lb. 50c.
Teasel.....	Lb. 50c.

## WILD BIRD SEED

Developed in cooperation with National Wild Life Federation and various Audubon Societies.

**Oriole Brand.** Lb. 20c., 5 lbs. 90c.

Add Postage When Ordering

## FULLSONG PRODUCTS

When you use Fullsong products you can be assured that your bird will be "In Fullsong".

**Fullsong Health Food.** Is a song restorer and general builder containing in carefully balanced proportions all of the elements necessary to a canary's health. Every bird should receive one tonic dish full of Health Food each day, as it contains Cod Liver Oil but is not fattening. 30c.

**Fullsong Feather-Pulling Remedy.** Supplies the deficiencies in a bird's diet which cause this unpleasant practice. 30c.

**Fullsong Bird Bitters.** Is a liquid tonic. This preparation assists in purifying the blood stream and stimulates the appetite. 35c.

**Fullsong Mating Food.** Is a rich egg food and is used to build up the vitality of the birds at this period. 30c.

**Fullsong Nestling Food.** Will start the little birds through life in a proper manner. A fresh supply should be available to the parent bird at all times. 30c.

**Fullsong Moulting Food.** Is a very nourishing food producing feathers and building up the vitality of the birds. The birds should be fed a tonic dish full of this food once or twice daily until moulting is over. 30c.

**Fullsong Regulator.** Is an excellent preventive of colds, diarrhoea, and constipation. This should always be fed at the first sign of a cold or when the bird fluffs up and is inactive. One feeding a week will aid in preventing colds. 30c.

**Fullsong Cold Remedy.** Is very effective and should be added to the drinking water when the bird first begins to fluff up and appear dopey. Treatment should be continued until the bird is active and appears normal. 30c.

**Fullsong Asthma Remedy.** Quickly relieves suffering from asthma. This should be used for any bird that has difficulty in breathing and gasps or wheezes. 35c.

**Fullsong Vitamin.** Is a mixture of rare seeds. It acts as a tonic and song-restorer. 35c.

Fullsong Mixed Bird Seed (16-oz.) 35c.

Fullsong Bird Gravel (2 lbs.) 15c.

Fullsong Love-Bird and Finch Seed, 30c.

Fullsong Color Food, 30c.

Fullsong Antiseptic Wash, 30c.

Fullsong Bird Peppers, 30c.

Fullsong Charcoal, 15c.

Fullsong Oil Tonic, 30c.

Fullsong Red Mite Powder, 30c.

Fullsong Footease, 30c.

Fullsong Fish Food with Shrimp, 15c.

Fullsong Cuttlebone, 10c., 20c.

## BIRD & BREEDING CAGES BIRD BREEDERS SUPPLIES ARE AVAILABLE

For years we have specialized in the mixing of Bird Seed Formulas for breeders of Canaries and other cage birds. We have all the different seeds and meals that are used in special preparations and can make up any special formula you may be feeding. Suggest trying our FULLSONG MATING FOOD with WHEAT GERM OIL, supplying Vitamin E, the anti-sterility factor. We also have a complete line of Breeders' Supplies various types of breeding cages, nests, nesting, nest eggs, baby bird feeders, canary carriers, etc.



# POULTRY, HORSE AND CATTLE REMEDIES

## PRATT'S POULTRY REMEDIES

**Pratt's Poultry Regulator.** For health and eggs. Use it the year 'round. Pkgs. 70c. and \$1.40, 12½-lb. pkg. \$2.50, 35-lb. pail \$5.75, 100 lbs. \$13.50.

**Pratt's N-K Capsules** (Split Action). For poultry worms. Pratt's N-K Capsules are quick, sure death for worms. Adults: 50 capsules 85c., 100 capsules \$1.50, 500 capsules \$6.00. Chick and Pullett, 50 capsules 55c., 100 capsules \$1.00, 500 capsules \$4.35.

**Pratt's Disinfectant.** It is an economical, powerful, non-poisonous, coal tar disinfectant. Qt. 85c., gal. \$2.25.

**Pratt's Lice Killer.** For use on poultry in dust baths, nests, etc. In sifter cans, 40c. and 80c.

**Pratt's Chick Tablets.** Use in the drinking water for the first couple of weeks. Will save you many dollars in chicks. Pkgs. 35c. and 70c.

**Animal Regulator.** Keeps stock in the pink of condition. Pkg. 80c.

**Pratt's Roost Paint.** Will kill body lice on fowls. You merely paint the roost at night—the fumes kill lice on the fowls. Pratt's Roost Paint kills the majority of lice the very first night. ½ pt. 85c., pt. \$1.35, qt. \$2.00, gal. \$6.75.

**Pratt's C-Ka-Gene.** Stops heavy losses from BLOODY COCCIDIOSIS. Not a "cure"...not a "preventive." C-Ka-Gene works by a new method "IMMUNITY" (permanent protection).  
50 Chick size.....\$0.90  
100 Chick size.....1.60

**Pratt's Pic-No-Mor.** Absolutely stops Cannibalism. 5 ozs. 70c.

**Barker's Medicinal Stock Powder.** Improved chemical and vegetable horse, cattle and poultry powder. 33c., 66c., \$1.10 size pkgs. 12-lb. pail \$2.25, 25-lb. pail \$4.25.

**Pratt's Zene-A-Trol Worm Powder** (Phenothiazine). ½-lb. pkg. \$1.00.

**Pratt's In-Tes-Trol.** Liquid medication for chickens and turkeys of all ages. In-Tes-Trol is recommended where need for a soothing astringent action is indicated. Also as an acid in treating Mycosis. Pt. 75c., qt. \$1.25.

**Aueromycin.** The newest treatment for mastitis. More effective than Penicillin. ¼ oz. tubes, 95c.

**Bag Balm.** There is no remedy so quick and certain in its curative powers for all diseases of the cow's udder and teats as Bag Balm. 75c.

**B-K BacilliKil.** Disinfectant—Deodorant—Antiseptic. It is fed in drinking water to calves, little pigs, and poultry. A powerful solvent of all protein matter such as casein milk solids on utensils, dead tissue, pus and mucus in animal tissue. 10-oz. bottle 50c., 1-qt. bottle 90c., 1-gal. bottle \$2.00.

**B-K Powder.** Small size 75c., large size \$1.50.

**Capette Pellets** for caponizing and increasing the tenderness, flavor and weight by producing more body fat. 100, \$6.75; 1000, \$4.75. Implanter, \$1.75.

**General Manual Klenzer** (Formerly called B-K). 5 lbs. 75c., 10 lbs. \$1.45.

**Carbola with D.D.T.** A white paint in powder form combined with a disinfectant many times stronger than pure carbolic acid. 5 lbs. (2½ gals.) 85c., 10 lbs. (5 gals.) \$1.35, 50 lbs. \$5.50.

**C.C.C. Louse Powder.** 50c.

**Don Sung Tablets.** Scientifically compounded to make a balanced tonic and regulator for hens and to stimulate egg-laying. Pkgs. 50c., \$1.00 and \$5.00.

**Kow-Kare.** A remedy in powder form, to be given in regular feed. It purifies the blood, strengthens the appetite. It increases the milk-flow. Small size 75c., large size \$1.35.



**Toxite.** Very effective in the control of coccidiosis, round worm and red mites, which are transmitted by contaminated litter. Qt. 75c., gal. \$2.00, 5-gal. can \$7.50.

**"Black Leaf 40."** Kills lice. Just paint the roosts. 1 oz. paints 12 ft. roost 35c., 5 ozs. paints 65 ft. \$1.05, 1 lb. paints 200 ft. \$2.42. 2 lbs. paints 400 ft. \$4.15, 5 lbs. paints 1000 ft. \$7.40, 10 lbs. paints 2000 ft. \$12.65, 50-lb. drum \$53.90.

**Medicated Salt Bricks.** Average weight 2¾ lbs. 25c.

## LEE'S POULTRY REMEDIES

**Germozone.** The standard remedy for the prevention roup and cholera. 4 oz. 40c., 12-oz. bottle 75c., 32 ozs. \$1.50, ½ gal. \$2.50, gal. \$4.50.

**Lee Mulsion.** It is much like a cough syrup for a human and acts allay cough. 12-oz. bottle \$1.00, 32 ozs. \$2.00, ½ gal. \$3.50, gal. \$6.50.

**Vapo-Spray.** Is a compound of oils that is especially valuable in the treatment of Flu. Qt. can 75c., ½ gal. \$1.25, gal. \$2.00.

**Mite Killer.** Has been the standard poultry house insecticide for 30 yrs. Qt. 60c., ½ gal. 90c., gal. \$1.50.

**Dip and Disinfectant.** A standardized coal tar Creosote stock dip and disinfectant. Qt. 75c., gal. \$2.00.

**Tonax.** A tonic and conditioner for chickens and turkeys. Powder form easily mixed with mash. Use 1 to 4 lbs. according to age of birds. 12-oz. can 30c., 2-lb. can 75c.

**Gizzard Capsules.** The new Gizzard Capsule, with the medicine enclosed in nine coatings.

	Adult Size	Chick Size	Pullet Size
50 capsules, pkg....	\$0.75	\$0.40	\$0.50
100 capsules, pkg....	1.25	.75	1.00

**Blitz Spray.** Pt. 75c., qt. \$1.25.

**Acidox.** 4 ozs. 50c., 12 ozs. \$1.00.

## DR. HESS AND CLARK POULTRY REMEDIES

**Panammin** (Formerly Pan-A-Cea). A conditioner and mineral supplement. 1½-lb. pkg. 35c., 5-lb. pkg. \$1.00, 10-lb. pkg. \$1.75.

**Instant Lice Powder.** For dusting nests, fowl, chicks, etc. Lb. pkg. 35c., 2½-lb. pkg. 75c.

**Dip and Disinfectant.** For spraying poultry houses, stables, etc. Qt. can 75c., gal. can \$2.00.

**Hess and Clark Stock Tonic.** 2 lbs. 45c., 5 lbs. \$1.00, 10 lbs. \$1.75, 35-lb. pail \$4.75, 100-lb. drum \$12.00.

**Greylawn Louse Powder.** For dusting fowls and nests. Also livestock. The most effective lice exterminator in existence. 12 ozs. 50c., 22 ozs. \$1.00.

**Avenarius Carbolineum.** A poultry house disinfectant, louse and mite destroyer; insures absolute riddance of the pests if applied but once a year. Gal. \$1.60, 5-gal. cans \$8.50.

**"Black Leaf" Worm Pellets.** The nicotine is not released until reaching the intestines where it kills round worm. 100 pellets 85c., 500 pellets \$3.25.

**"Black Leaf" Worm Powder.** An odorless, tasteless, dry compound, containing nicotine that remains insoluble in the mouth, throat, crop and gizzard. 4 oz. 100 birds 75c., 1½ lbs. 600 birds \$3.00.

## JEFFY WAY EGG GRADING SCALE

Has been officially adopted as the standard scale in many sections of the United States. Made entirely of metal. Indicates grade instantly. Each \$2.00.

## NEST EGGS

**Opal Nest Egg.** Made of glass. Each 5c., doz. 50c.

**Composition Nest Eggs.** Enameled white. Each 5c., doz. 50c.

## MORTON'S MEAT CURES

**Morton's Smoked Salt.** The triple action cure. Salt, Sugar-Cure and Smoke your meat all at the same time. It eliminates the smoke house, saves time, labor and gives hams and bacon far better flavor. 7½-lb. cans \$1.00.

**Tender-Quick.** A special meat cure for beef, veal, mutton, fowl, lamb, fish, wild game, and pork specials. 4-lb. cans \$1.00.

**Sausage Seasoning.** 10-oz. can 40c.

**Meat Guns.** \$2.00.

## RABBIT SUPPLIES

**Rabbit Pellets.** Feeders and Waterers. Rabbit Salt Spools, plain, iodized, mineral and sulphur.

**Walko Tablets.** A valuable drinking water antiseptic for all poultry at all ages. 60c., \$1.20, \$2.50.

**Sulmet Solution.** Poultry drinking water solution for control of coccidiosis. 4 oz. 85c.

**Sulmet Powder.** For sheep, swine and poultry. 4 oz. \$4.95, lb. \$16.80.



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## REFERENCE TABLES

### Quantity of Seeds Requisite to Produce a Given Number of Plants and Sow an Acre

Quantity Per Acre	Quantity Per Acre	Quantity Per Acre
Asparagus, 1 oz. to 800 plants.....1 lb.	Cucumber, 1 oz. to 100 hills.....1 to 3 lbs.	Parsley, ¼ oz. to 100 ft. of drill.....3 lbs.
Asparagus Roots.....1000 to 7250	Egg Plant, 1 oz. to 2,000 plants.....4 oz.	Peas, Garden, 1 pint to 100 ft. of drill..1 to 3 bu.
Beans, Dwarf, 1 pint to 100 ft. of drill.....1 bu.	Endive, ¼ oz. to 100 ft. of drill.....4 ½ lbs.	Peas, Field.....2 bu.
Beans, pole, 1 pint to 100 hills.....½ bu.	Garlic, Bulbs, 1 lb. to 10 ft. of drill.....	Pepper, 1 oz. to 1,500 plants.....3 oz.
Beet, Garden, 1 oz. to 100 ft. of drill.....7 lbs.	Grass, Mixed Lawn.....3 to 5 bu.	Pumpkin, ½ quart to 100 hills.....3 to 4 lbs.
Beet, Mangel, 1 oz. to 100 ft. of drill.....5 lbs.	Kohl-rabi, ½ oz. to 100 ft. of drill.....4 lbs.	Radish, ¾ oz. to 100 ft. of drill.....10 to 12 lbs.
Broccoli, 1 oz. to 5,000 plants.....2 oz.	Lettuce, ¼ oz. to 100 ft. of drill.....3 lbs.	Salisfy, ¼ oz. to 100 ft. of drill.....8 lbs.
Brussels Sprouts, 1 oz. to 5,000 plants.....2 oz.	Melon, Musk, 1 oz. to 100 hills.....1 to 3 lbs.	Spinach, ½ oz. to 100 ft. of drill.....8 lbs.
Cabbage, 1 oz. to 3,000 plants.....2 oz.	Melon, Water, 4 oz. to 100 hills.....1 ½ to 4 lbs.	Squash, Summer, 4 oz. to 100 hills.....2 lbs.
Carrot, ¼ oz. to 100 ft. of drill.....2 ½ lbs.	Nasturtium, 2 oz. to 100 ft. of drill.....15 lbs.	Squash, Winter, 8 oz. to 100 hills.....2 lbs.
Cauliflower, 1 oz. to 3,000 plants.....2 ½ lbs.	Okra, 1 oz. to 100 ft. of drill.....8 lbs.	Tomato, 1 oz. to 4,500 plants.....2 oz.
Celery, 1 oz. to 15,000 plants.....2 oz.	Onion Seed, ½ oz. to 100 ft. of drill.....4 to 5 lbs.	Tobacco, 1 oz. to 5,000 plants.....2 oz.
Collards, 1 oz. to 5,000 plants.....2 oz.	Onion Seed for sets.....40 to 80 lbs.	Turnip, 1 oz. to 250 ft. of drill.....1 to 3 lbs.
Corn, Rice (Shelled).....2 qts.	Onion Sets, 1 quart to 40 ft. of drill.....8 bu.	
Corn, Sweet, ¼ pint to 100 hills.....6 qts.	Parsnip, ¼ oz. to 100 ft. of drill.....3 lbs.	



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